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DEC 8 191 UNIVERSITY

DEPARTMENT OF MARINE AND FISHERIES, CANADA.
METEOROLOGICAL SERVICE.

Monthly Weather Review

VOL. XXXVIII. SEPTEMBER, 1914 No. 9

INTRODUCTION.

In compiling the present Review, the principal data made use of are the telegraphic reports of observations received at this office for the purpose of weather forecasting, and reports by mail from voluntary observers and storm-signal agents. For the data used in tracing the paths of areas of high and low pressure in the United States, we are indebted to the Chief of the Weather Bureau, Washington, D.C.

HIGH AREAS.

Six areas of high pressure were charted. One first appeared on the British Columbia coast line, two on the coasts of the North Pacific States, and three far to the northward of Lake Superior. The general course of the areas was over the Great Lakes when they usually drew southward. The systems were for the most part widespread, energetic and persistent, and largely dominated the weather conditions of the month over Canada, especially from the Great Lakes to our Atlantic coast, where the prevailing weather was fine and very dry.

LOW AREAS.

Twelve areas of low pressure were charted. Three first appeared near the far northern coasts of British Columbia, one in Southern Alberta, one in the North Pacific States, two in Arizona, one in the Gulf of Mexico, one near the Bahamas, one in the Middle Pacific States, and two to the southward of the east coast of Newfoundland. Four of the areas passed far to the northward to Hudson's Bay, two over the Upper Lake Region, while the one from the Bahamas broke up over the Gulf of Mexico. The systems which travelled to Hudson's Bay appear to have been energetic, the two areas which swept over Newfoundland from the Atlantic were also pronounced, but the remaining six were quite feeble. Very few strong winds and practically no gales were experienced over the populated portions of the Dominion.

ATMOSPHERIC PRESSURE.

The differences from mean monthly pressure were as follows: Dawson, —.18; Barkerville, —.12; Victoria, —.06; Kamloops, —.14; Banff, —.10; Edmonton, —.08; Battleford, —.10; Prince Albert, —.06; Calgary, —.16; Medicine Hat, —.12; Swift Current, —.11; Qu'Appelle, —.08; Minnedosa, —.00; Winnipeg, —.01; Port Arthur, +.09; White River, +.09; Parry Sound, +.12; Southampton, +.09; Port Stanley, +.09; Toronto, +.10; Kingston, +.10; Stonecliffe, +.10; Ottawa, +.08; Montreal, +.06; Quebec, +.05; Father Point, +.06; Anticosti, +.02; Charlottetown, —.02; Chatham, +.01; Yarmouth, .00; Halifax, —.04; Sydney, —.06; St. John, +.01; St. John's, Nfld., —.19; Fort Prospect, Bermuda, +.01.

GENERAL SYNOPSIS OF TEMPERATURE AND PRECIPITATION.

The following table is intended to show the average values of temperature and precipitation for each province for the month under review. District and Provincial means would, under ideal conditions, be derived from stations situated in equi-areal squares. But since in reality they are so situate as to appear, rather, constellation-wise upon the map, anomalous values arising from local topographical peculiarities may have received more than their just weight in the computation of the following averages.

Where no difference from normal is assigned, observations over a period long enough for reference are not available.

PROVINCE AND DISTRICT.	Temperature (Fahr.).						Precipitation.				STATION DIFFERENCES FROM NORMAL TEMPERATURE
	Mean Daily.	Mean Daily Maximum.	Mean Daily Minimum.	Mean Daily Range.	Extreme Highest.	Extreme Lowest.	Total in Inches.	Difference from Normal.	Number of Days	Greatest Fall.	
British Columbia—								%			
South Vancouver Island	54	61	47	14	85	38	1 28	+50	16	2 10	−1° to −3°
North Vancouver Island	54	59	49	10	78	41	5.30		15	1.37	
Lower Fraser River	54	61	47	14	82	30	6 15	+55	15	1.42	0° to −3°
Upper Fraser River	49	60	38	22	84	20	1 86	00	11	1.09	0° to +3°
Okanagan and Similkameen Valleys	53	64	43	21	86	23	2.48	+145	13	1.20	0° to −2°
West Kootenay	53	64	43	21	88	29	2 97		13	1.45	−3° at Nelson
East Kootenay	51	63	39	24	87	25	2.47	00	11	1 03	+1° to +5°
Thompson River	55	67	43	24	86	25	1 73	+30	13	1 06	−1° to +2°
North Columbia River	49	58	40	18	77	31	2 98	00	15	0 90	−1° to +1°
North Const	52	59	45	14	74	30	7.38	+20	21	1 32	−1° at Bella Coola
Queen Charlotte Islands	50	56	44	12	64	35	5 60	+49	16	1 55	−4°
Alberta—											
North Saskatchewan River	49	63	36	27	85	18	2 51	+90	11	1.13	0°
The Red Deer River	50	65	36	29	86	16	2 16	+30	8	1.59	0° to −1°
The Bow River	52	66	38	28	90	20	1 00	−33	4	2.19	−1° to +3°
Athabasca River	....	....	....	....	....	....	....	....	....	....	
Peace River	....	....	....	....	....	....	....	....	....	....	
Saskatchewan—											
Qu'Appelle River	54	69	39	30	94	19	0 56	−65	4	0 57	+1° to +6°
S. Saskatchewan River	52	67	38	29	87	23	2.51	+40	5	2 35	+1° to +3°
N. Saskatchewan River	51	64	38	26	82	20	2 55		6	2 25	+3° at Battleford
Saskatchewan Forks	52	64	40	24	87	27	1.30	−10	8	1.09	+1° to +2°
Lower Saskatchewan River	51	64	39	25	82	28	1 09	....	6	0.47	
Manitoba—											
Qu'Appelle and Assiniboine Rivers	56	70	42	28	95	24	1.59	+10	6	2 47	+2° to +5°
The Red River	57	69	45	24	90	27	2.67	+15	7	1 89	+3° to +4°
Dauphin Lake and River	55	66	43	23	88	24	1.35	....	6	0 80	
Ontario—											
Lake Superior Districts—											
Rainy River	54	66	42	24	84	20	4 20		9	1.20	
Thunder Bay	53	63	42	21	84	25	3.47	−15	12	1 65	+1° to +4°
Algoma	53	65	41	24	89	20	2 28	−30	12	1 13	+0 5° at White River
Nipissing	54	66	41	25	92	12	2.79	+10	11	1 68	+2° at Haileybury
Upper Ottawa River	55	68	42	26	91	25	2 25	−35	10	1 23	0° to −1°
Upper St. Lawrence and Ottawa Rivers	57	69	46	23	95	27	2 19	−15	8	0.91	0° to −2°
Georgian Bay Counties	57	68	46	22	90	23	1 60	−50	8	1 69	+1° to −1°
Lake Huron Counties	59	69	49	20	87	26	1 90	−30	9	1 75	0° to −1
Lakes St. Clair & Erie, Niagara Peninsula	61	72	50	21	94	32	2 35	− 5	6	1 25	−1° to −3°
West Central Counties	59	71	46	25	90	29	2.78	− 5	7	2 97	+1 to −3°
Lake Ontario Counties	59	69	49	20	88	28	1 83	−30	7	1.80	0° to −1°
East Central Counties	59	72	46	26	88	25	2.03	−30	7	1.80	+1° to −2°
Quebec—											
Middle St. Lawrence	56	67	46	21	89	20	2 85	00	10	1.53	0° to +1°
Lower St. Lawrence & Gulf	52	61	42	19	82	34	1 69	−35	7	1.00	+1° to −1°
Lake St. John	54	64	44	20	90	18	2 20		11	0 95	+2° at Chicoutimi
Northwestern Districts	55	66	45	21	88	23	3.47		10	1 90	+3° at Abitibi
New Brunswick—											
All Stations	57	68	47	21	91	24	1 99	−35	6	1 41	−1° to +1°
Nova Scotia—											
All Stations	57	68	46	22	94	28	2 68	−25	7	1 68	+1° to −2°
Prince Edward Island—											
All Stations	58	67	49	17	87	35	3 89	−25	11	1 47	0°

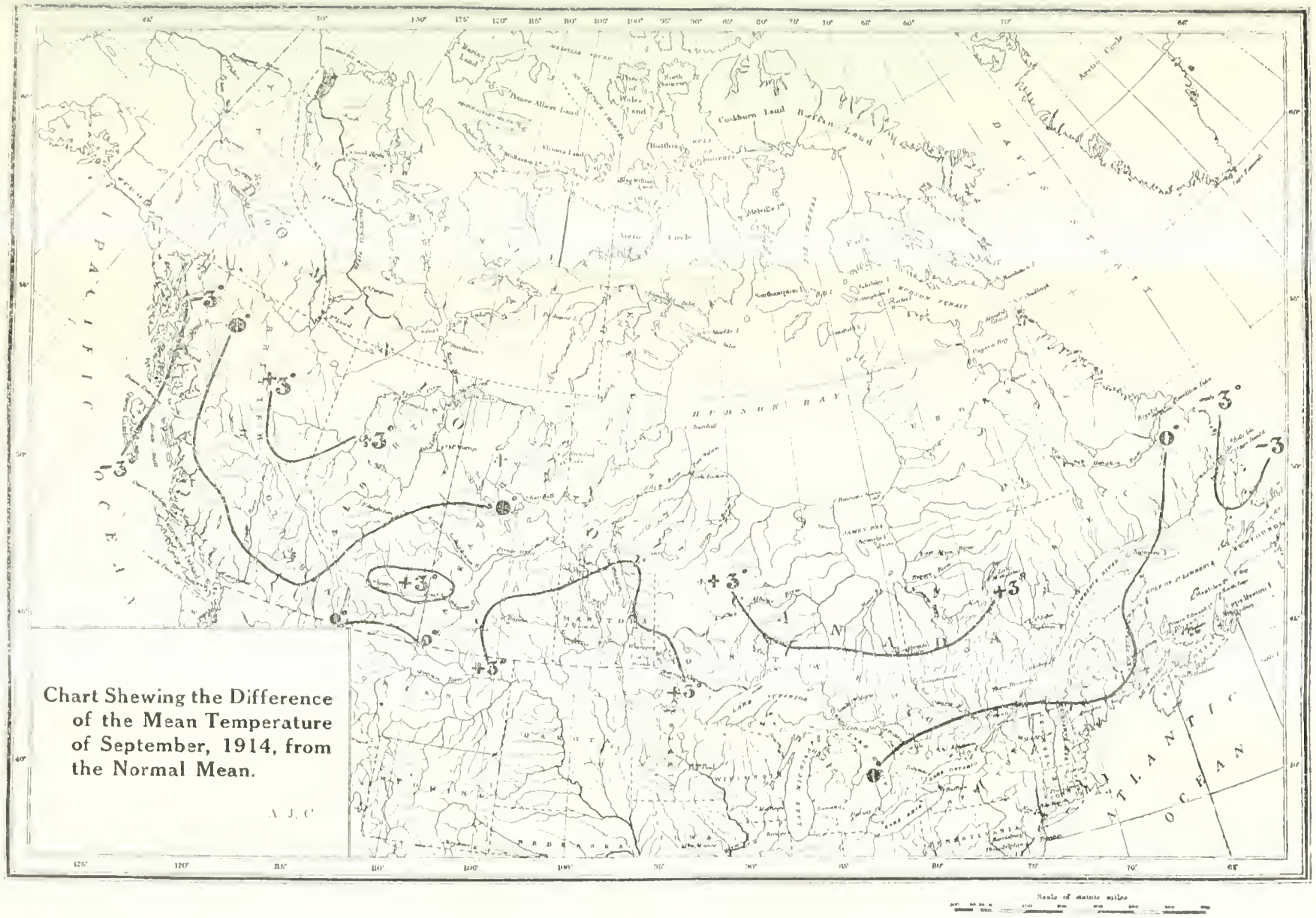
Chart Shewing the Difference of the Mean Temperature of September, 1914, from the Normal Mean.
A. J. C.
Scale of statute miles

WINDS, SEPTEMBER, 1914

PROVINCES AND STATIONS	Total Mileage	Greatest Mileage in 24 hours	Greatest Mileage in 1 Hour			Number of Days of			General Direction
			Miles	Direction	Date	Gales	Strong Winds	Fresh Winds	
British Columbia									
Atlin									
Prince Rupert									
Victoria	6776	624	44	SW	14	4	5	16	SW
Point Garry									
Vancouver									
Kamloops									
Alberta.									
Edmonton									
a Calgary	3896	316	22	NW	9		2	12	
Saskatchewan.									
Battleford									
Prince Albert									
Swift Current	9425	680	40	SE	28	7	14	9	
Qu'Appelle	7611	609	41	SW	14	2	10	17	S,SW
Manitoba.									
Le Pas	7762	533	31	SW	19	2	13	12	SW,E
Winnipeg	8502	579	38	SE	13	1	16	11	
Ontario.									
Port Arthur	6362	350	25	NW	29		8	11	NW
b White River	3291	274	19	E	16		1	11	
Cochrane	5847	364	23	NW	22		3	14	
Parry Sound	4927	327	20	SW	4		3	10	SW
Southampton	7625	492	31	NW,SW	6–7	2	8	14	NW,E
Pelee Island									
Woodstock	6258	353	26	SW	22		10	10	SW,NW
Toronto	6962	377	29	W	3		15	10	NW
Kingston	6123	402	34	S	6	1	7	13	N
Stonecliffe	2604	174						5	
Ottawa									
Guelph	6314	337							NW,SW
Quebec.									
Montreal	6533	333	23	SW	21		6	16	NW,W
Sherbrooke									
Quebec	7072	426	31	SW	23	2	10	13	SW,NE
Father Point	7558	470	28	W	4		13	12	W
Anticosti, SW	8101	589	38	SW,NW	23-5	5	13	8	N,NW
Harrington	9039	864	67		26	7	8	10	
New Brunswick									
Pt. Escuminac	7812	648	39	NE	26	6	5	13	NE
Fredericton	3699	227	19	NW	4		1	10	NW
St. John	3849	333	20	NW	26		2	13	N,S
Pt. Lepreaux	5957	324	30	NW	8	1	6	18	N,W
Nova Scotia									
Yarmouth	4924	338	21	SW	2		4	16	N,SW
Wolfville	4671	315	23		26		3	15	W
Halifax	6195	375	31	NE	26	2	9	11	NE
Sable Island									
c Flat Point	6270	680	43	NE	8	4	6	8	
Prince Edward Island									
Charlottetown	4535	307	19	NW	8		1	14	NW,SW

a Record for 29 days. *b* Record for 26 days. *c* Record for 21 days

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA. SEPT., 1914

*Stations not furnished with Registering Thermometers

STATION	Latitude N.	Longitude W.	Elevation above sea level, in feet.	Temperature: Mean	Difference from average	Yr's Observations	Highest	Date	Lowest	Date	Mean daily range	Precipitation: Amount	Difference from average	Heaviest fall in month.	Days with .01 or more.	No. of fair days	No. of auroras	No. of thunderstorms	No. of fogs
BRITISH COLUMBIA—	° ′	° ′																	
S. Vancouver Island																			
Alberni (Beaver Creek)	49 15	124 49	300	55 5	— 2 3	19	86.0	1	39 0	1-5	18 3	7.08	+3.99	1 14	17	13	..	3	
Clayoquot	49 11	125 55	27	54 2	— 1 4	15	67 0	4-5	41 0	30	12 3	9.11	+2.05	2 10	19	11	..	..	3
Clo-oose	49 40	124 50		52 4		3	64	24	41 0	30	8 6	1 69	—	0 57	13	17	..	..	1
Cobble Hill			33	53 2		1	67 0	1-25	39 0	12	13 5	2.72	—	0 47	14	18	..	..	
Cowichan (Tzouhalem)	48 25	123 42	170	55 4	— 1 0	10	74.6	2	41 2	1	13 4	3 40	+0.48	0.65	15	15	..	..	2
Departure Bay	49 40	124 0		54 2		2	3 0	1	42 0	27	12 7	3 78	—	0 70	17	13	..	1	1
Gillis Bay	49 40	124 32		56 4		2	75.0	1	42.0	12-30	12 0	5.09	—	1 02	18	12	..	..	
James Island				55 3		1	70 0	24	43 0	30	13	2 15	—	0 51	12	18	..	..	6
Ladysmith	48 57	123 39		54 1		2	73.0	1	38 0	30	14 6	4 48	—	1 03	19	11	..	..	
Lazo (Little River)	49 44	124 54	12	53 1		1	65 0	1-11	40 0	30	11 9	6 23	—	1 40	14	16	..	..	4
Nanaimo	49 10	123 37	125	54 7	— 2 4	14	69 2	23	44.9	28	9 8	4 03	+1 96	0 77	17	13	..	..	..
Nanoose Bay	49 17	124 12	130	50 7		3	72.0	2	41 0	28	13 8	4 61	—	0 78	18	12	..	..	..
Qualicum Beach				52 9		1	71.0	1	40 0	5	15 8	4.77	—	0 76	18	12	..	..	1
Salt Spring Island	48 50	123 20		53 4		4	73 0	1	41 0	6 12	12 8	3 40	+1.69	0.65	18	12	..	..	6
Shawnigan Lake	48 37	123 41		54 1		2	77.0	24	40.0	12	14 4	3 16	—	0.49	14	16	..	..	
Sidney	48 27	123 27	200	54 1		1	72 6	1	41 5	12	12 7	1 97	—	0 33	13	17	..	..	2
Sooke	48 41	123 44	25	58 9		4	79.0	24	40 0	1 12	14 4	3.42	—	0 91	13	17	..	..	
Ucluelet				52 9		1	68 0	24-25	39.0	14 30	12.5	8 26	—	1 99	21	9	..	..	
Victoria	48 24	123 19	85	53 6	— 3 0	22	71 1	24	43 8	1	10 1	1 98	−0.12	0.56	12	18	1	..	2
N. Vancouver Island																			
Alert Bay	50 33	127 0		53 4		1	68.0	24	46 0	3	6 1	4.00	—	0 50	17	13	..	..	..
Campbell Lake				53 1		1	72 1	1	41 4	13	11.9	3 90	—	0 92	17	13	..	..	2
Holberg	50 39	128 18		54 8		7	78 0	2	41 0	30	13.3	6 97	—	1 13	15	15	..	..	..
Mary Island				55.1		1	76 0	1	45 0	4	10 3	6.33	—	1 37	21	9	..	..	2
Quatsino	50 32	127 40				20													
Triangle Island	50 52	129 5	680																
Lower Fraser River																			
Agassiz	49 14	121 31	52	54 2	— 2.6	24	78.0	23	40.0	25 30	17 3	6 29	+1.63	0.79	18	12	..	..	
Britannia Beach	49 39	123 5	165	53 9	—	1	67 0	1-24	43.0	30	7 7	8 35	—	1.42	15	15	..	..	8
Chilliwack	49 10	121 57	21	54 7	— 2.2	12	77.0	24	41 0	1	13 7	6.35	+2 25	0 93	16	14	..	..	5
Hope	49 25	121 25	500		—	5											..	..	
Ladner	49 05	123 4		55 9	— 1 3	13	69.0	1-24	46 0	6	12 4	2 65	−0 11	0 40	11	19	..	..	..
New Westminster	49 13	122 51	330	55 0	— 1 7	27	77 0	1	44 5	15-22	12 5	5 57	+1.94	0 68	15	15	..	1	1
North Nicomen	49 12	122 2	59	55 2	— 2 5	22	76.0	1	45 0	6-27	11 9	8 15	+3 52	1 24	16	14	..	..	2
Pemberton Hatchery	50 20	122 33		53 4		6	82 0	1	40.0	1-24	16.6	5.41	+3.36	1.25	13	17	..	..	
Pemberton Meadows	50 29	122 40		53 6		2	82.0	1	30 0	1	21 3	4 63	—	1 00	13	17	..	..	2
Ruskin (Stave Falls)	49 16	122 23	125	55 4		5	81 0	25	43 0	1	13 0	9.86	—	1.34	20	10	..	..	1
Steveston (Garry Point)	49 21	123 17		53 8	+ 0 1	19	66 0	2	39 0	5	12 6	3.60	+1.12	0 55	15	15	..	..	3
Vancouver	49 17	123 6	136	54 8	— 0 9	14	69 4	1	45 0	22	10 6	6 88	+2 54	1 13	17	13	..	1	1
Upper Fraser River																			
Babine Lake	55 38	126 26		46.5	—	5	73.0	1	25.0	30	21 6	0 90	—	0 40	4	26	..	..	..
Barkerville	53 02	121 35	4180	43 8	— 0.6	26	64 0	1-2	23.0	15	17 3	3.75	+0 09	0.70	16	14	..	..	..
Chilcotin (Big Creek)	51 40	120 50	3100	47.6	+ 1 0	11	78.0	2	22 0	16	25 2	1.85	+0.61	1 00	9	21	..	..	..
Cranberry Lake (South Frk)	119 20	52 50	2460														..	..	..
Fifteen Mile Ranch (Pavilion)	50 40	120 50		65 2	—	1	84 0	1	38.0	15	18 7	1.92	—	0 41	8	23	..	..	..
Fort George				46 7	—	3	78 0	1	25 0	16	22.8	1 68	—	0.60	9	21	..	..	..
Fort St. James (Stuarts Lake)	54 28	124 12	2280	47.2	+ 2 6	21	81 0	1	21 0	29	29 1	1.00	−0 23	0 20	12	18	2	..	..
Hydraulic	52 42	122 5		51 6	—	3	83.0	1	20 0	20	28 1	1 97	—	0.55	11	19	..	..	..
New Hazleton				49 3	—	1	70.0	1	28 0	17	18 5	2.25	—	0.27	19	11	..	..	..
Quesnelle	52 59	122 30	1700	52.4	+ 0.4	19	84 0	2	26 0	16	23 9	1 39	−0 38	0.43	8	22	..	..	..
Okanagan and Similkameen Valleys																			
Duck Lake Ranch	50 3	119 20	1400	53.0	—	2	81 0	4	36 0	16	22 8	2 92	—	0 51	13	17	..	..	..
Hedley	49 35	120 10	1771	55 6	— 1 2	11	86 0	1-6	38 0	27 30	22 3	1 92	+1 24	0 52	14	16	..	..	..
Hedley (Nickel Plate)	49 20	119 59	4500	42 5	— 4 5	11	75 0	2	23 0	15	19 2	5 40	+4 37	1.20	10	20	..	..	..
Keremeos	49 15	120 0	1372	56.5	+ 2.4	7	79.0	1	41 0	28	16 4	1 31	+0.67	0 40	9	22	..	..	..
Kelowna (Okanagan Mission)	49 15	119 29	1200	54.1	+ 0 7	15	75.0	2-4	38 0	29	19 0	2.65	+1 48	0 82	14	16	1	3	..
Kelowna (Bankhead Orc'd)				55 5		1	80 4	4	39 0	20	19 6	2.52	—	0 60	13	17	..	2	..
Penticton	49 29	119 35		56.2	— 0.6	8	78.0	2	38 0	28	20 8	2 16	+1 20	0 94	15	15	..	..	..
Princeton	49 29	120 29	1650	51.4	— 1.7	20	80.0	3	32.0	1	26 4	1 39	+0 34	0.29	11	19	..	..	..
Richlands	50 18	118 35		51 0	—	2	82 0	3	27.0	1	25 8	2 81	—	0 82	15	15	1	1	..
Summerland	49 36	119 40	1100	54.7	—	8	77.0	2-3	40 9	16-28	17 7	2 24	+1 36	0.67	9	21	..	1	..
Vernon (Coldstream Ranch)	50 14	119 15	1582	55.1	+ 0.1	21	82 0	3	38 0	22 16	20 2	1 96	+0 58	0 41	15	15	..	..	..
West Kootenay																			
Boswell	49 19	116 41		54 7		1	79.0	3	39 0	13	18 3	2 53	—	0.97	12	18	..	3	..
Crawford Bay	49 45	116 45	2000	53.2		5	78.0	3	38 0	12	18 8	2 75	—	0 35	15	15	..	1	..
Creston	49 6	116 33	1985	52 7		3	78 0	3-5	32 0	12	22 1	1 82	—	0.54	8	22	..	1	1
East Arrow Park			1413	53.1		1	76 0	1	35.0	1	18 2	3 52	—	0 78	16	14	..	2	..
Fauquier	49 54	118 6		52.6		2	75 0	3	36 5	1-16	19 8	3 62	—	0 88	13	17	..	..	..
Grand Forks	49 2	118 27	1746	55 4		4	87.0	3-4	37 0	29	23.4	1 89	—	0 48	13	17	..	..	..
Greenwood	49 1	118 6	2400	51 6		4	88.0	2-3	29 0	1 27	30 9	2 74	—	0 77	13	17	..	..	..
Howser	50 18	117 0				3											..	..	..
Kaslo	49 52	117 0	1752	52 0		3	72 0	4	38 0	12	17 3	3 23	—	0 78	9	21	..	..	..
Nakusp	50 14	117 49		50.5		3	74 0	1	34 0	1-14	17 6	2 90	—	0 43	18	12	..	..	8
Nelson	49 29	117 21	1760	53 1	— 2 9	12	79 0	3	38 0	13	20 0	3 44	+1 65	0 60	13	17	..	2	..
Pend d'Oreille (Waneta)			2260	52 1		2	85 5	4	33 0	15 16	23 6	3 93	—	1 45	11	19	..	1	
Perry Siding	49 5	117 48	1700	54 3		2	84 0	3	34 0	12	23 6	3 51	—	0 74	18	12	..	3	
Rossland	49 5	117 48	3400			11													
Westley	49 20	117 45	1414	53 7	—	1	75 5	1	39 0	1	20 1	2 71	—	0 77	13	17	..	4	6
East Kootenay																			
Cranbrook	49 30	115 60		51 9	+ 0.7	6	83 0	3	29 0	26 30	28 7	1 27	−0.12	0 35	7	23	..	..	
Fernie	49 30	115 3	3305	49 1	—	1	76 0	3	30 5	30	28 1	4 77	—	1 03	16	14	..	..	
Fruitlands (Elko)	49 1	115 5	2684	54 8	+ 4.6	17	87 1	3	37 0	15	21 2	1 39	+0 05	0 29	11	19	..	4	1
Gateway				51 7		1	78 0	1	33 0	30	1 8	0 89	—	0 25	7	23	..	..	8
Invermere	50 30	116 2	2650	49.8	—	2	80 0	2	33 0	2-3	24	2 16	—	0 64	14	16	..	..	
Wilmer	50 34	116 14	3300	50 8	—	5	79 0	4	33 0	1	2 4	2 51	—	0.71	17	19	..	1	1

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, SEPT., 1914.

*Stations not furnished with Registering Thermometers

STATION	Latitude N.	Longitude W.	Elevation above sea level, in feet	TEMPERATURE: Mean	Difference from average	Yrs Observations	Highest	Date	Lowest	Date	Mean daily range	PRECIPITATION: Amount	Difference from average	Heaviest fall in month	Days with 0.1 or more	No. of fair days	No. of auroras	No. of thunderstorms	No. of fogs
	° ′	° ′																	
BRITISH COLUMBIA—Con																			
Thompson River																			
Armstrong	50 26	119 11	....	52 9	—	2	89 0	3	16 5	16	24 8	2 31	—	0.75	13	17		1	..
Ashcroft	50 32	119 7	1180	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chinook Cove	.....	.....	.....	52 6	—	1	82 0	4	29 0	15	23 9	1 38	—	0 24	11	19	1	1	..
Enderby	50 32	119 7	1180	54 9	+ 0 5	11	82 0	2	30 0	15	23 9	2 49	+0 79	1.06	15	15	..	..	..
Harper's Ranch	50 41	120 29	1245	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kamloops	50 9	120 39	2120	56.5	+ 1 9	22	85 0	3	36 5	18	20 0	1 09	+0 10	0 27	11	19	..	..	..
Monte Creek	50 35	119 59	1156	52 8	—	2	85 0	3	25 0	30	29 0	1.26	—	0 30	11	19	..	..	1
Nicola Lake	50 9	120 39	2120	.....	.....	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salmon Arm	50 42	119 35	1152	54 0	— 1 2	10	78 0	1	32 0	16	21 4	2 17	+0.46	0 89	11	19	..	1	..
Salmon Arm (Exp Farm)	.....	.....	.....	55.3	—	4	83 0	2	34 0	15	22 0	1.62	—	0.45	12	18	..	1	..
Tappen	.....	.....	1350	56 6	—	2	86 0	3	33 0	16	25 5	2 07	—	0 66	15	15	..	3	1
Tranquille	50 41	120 29	.....	56.6	—	6	83 0	3	38.0	15-21	20 6	1.03	—	0.18	13	17	..	..	..
Vavenby	51 36	119 45	1450	53 2	—	2	81 0	3	28 0	15 16	22 6	1.94	—	0.39	16	14	..	1	..
North Columbia River																			
Glacier	51 14	117 29	4072	45 0	— 1 1	11	73 0	5	31 0	13-15	14 4	3.33	−0.81	0 35	19	11	..	1	..
Golden	51 0	118 6	1476	50.5	+ 0 8	13	77 0	3	31 0	1	21 3	1.73	+0 08	0 67	9	21	..	1	3
Revelstoke	51 16	118 5	2550	52 7	— 0 2	15	75 0	2-4	36 0	2	17 7	3 87	+0 51	0.90	18	12	..	..	..
North Coast																			
Bella Coola	52 40	126 51	150	57 6	— 0 7	16	73 0	1	37 0	16	13 6	4 52	+0.71	0.72	18	12	..	..	..
Prince Rupert	54 18	130 18	170	51 9	—	5	66.0	7-15	38 0	11-26	11 1	10 19	—	1.23	23	7	..	..	1
Stewart	56 1	130 1	215	48.4	—	4	62 0	18	30 0	16	12 2	9 37	—	1.32	24	6	..	..	..
Terrace	54 30	128 30	545	54 4	—	2	74 0	1	38 0	2-16	17 7	5 75	—	1.22	18	12	..	..	..
Welcome Harbour	53 55	130 22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Queen Charlotte Islands																			
Ikeda Bay	52 17	131 7	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Massett	53 58	132 9	10	50 0	— 3.6	17	64 0	1 3	35.0	17	12 9	5 60	+1.60	1 55	16	14	..	..	..
Yukon Boundary																			
Atlin	59 35	133 38	2240	41.9	—	8	55 0	4	28 0	27	0 4	2.06	—	0 36	18	12	2	..	..
YUKON—																			
Carcross	60 11	134 34	2171	42 6	—	8	63 0	3	25 0	15	15 4	1.89	—	0.54	12	18			
Dawson	64 4	139 29	1200	39 9	- 2.0	13	70 0	3	12 0	18 19	20 4	1 21	−0 67	0.38	5	25	..	..	..
ALBERTA—																			
N. Saskatchewan River																			
Campsie	54 8	114 42	....	46 5	—	3	74 3	26	23 4	22	24 9	2 94	—	0.69	13	17	3	2	3
Coronation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Daysland	52 52	112 17	....	49.7	—	4	80 0	25-26	27 0	24	24 5	2 52	—	0 81	10	20	..	..	..
Edmonton	53 33	113 30	2158	49 9	— 0 4	31	78 7	25	29 6	21	22 7	2 94	+1.44	0.63	15	15	..	..	..
Endiang	52 0	112 0	2795	49 4	—	4	80 0	28	29 0	16	27 5	2.30	—	0.50	8	22	4	2	1
Halkirk (Emsburg)	52 17	112 19	....	48 0	—	7	78 0	26	22 0	16	25 3	2.57	—	0 53	11	19	..	..	..
Lloydminster	53 18	110 0	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	2	..
Loveland	52 30	111 59	....	51 4	—	6	82 0	26	27 0	16	27 8	2.99	—	0.56	11	19	..	..	..
Pakan	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	7	..
Ranfurly (Waitefield)	53 29	111 38	2000	49 5	— 0 3	10	80 0	25 26	22 0	21	24 3	2 77	+1 29	0 80	15	15	..	..	..
Sedgewick	52 47	111 41	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8	5	..
Sion	53 54	114 15	....	46 8	—	3	75 0	4	18 0	1	26 1	3.60	—	1 13	12	18	..	..	..
Twin Lakes	.....	.....	.....	51 1	—	1	85.0	3	27 0	30	28 5	1 01	—	0.50	4	26	9	4	1
Vermilion	53 22	110 50	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	1	..
Wastina	51 39	111 5	....	51 3	—	2	85 0	3	24 0	16	30 7	1 41	—	0.47	6	24	..	..	..
Wetaskiwin	52 58	113 23	2480	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..
The Red Deer River																	..	..	..
Alix	52 24	113 10	2585	51 0	—	9	83 0	3 27	16 0	21	30 8	1.94	—	0.35	11	19	..	..	..
Alsask	.....	.....	.....	52 5	—	1	85 0	4	25 0	21	31 7	2 26	—	1.59	6	24	..	..	..
Clemens	51 15	114 44	....	51 6	—	2	86 0	4	25 0	15	36 0	0.73	—	0.45	4	26	6	1	..
Delia	51 38	112 25	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..
Didsbury	51 40	114 8	3300	50 4	— 0 1	12	78 0	3	28 0	16	25 3	2 46	+0 72	0.80	8	22	..	..	..
Harmattan	51 45	114 23	3500	47 6	—	7	79 0	3	20 0	28	31 6	2.09	—	0 80	7	23	..	..	..
Hillsdown	52 14	113 29	2940	49 5	— 0 3	10	78 0	2	22 0	26	25 4	1.70	+0.52	0.40	12	18	..	..	..
Lacombe (Ex Farm)	52 58	113 44	2783	53 6	—	7	80 3	26	25 1	16	24 2	2 36	—	0 63	8	22	5	5	..
Moose (Tyrol)	51 15	110 39	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..
Olds	.....	.....	.....	48 7	—	1	79 0	15	26 0	14	29 5	2.43	—	0 85	6	24	..	..	..
Perbeck	51 58	113 5	....	50 7	—	2	80 5	7	32 5	16	28 6	2 56	—	0.79	9	21	..	..	..
Red Deer	52 16	113 49	28 06	48 5	— 1 2	14	79 0	25-26	24 5	16	28 6	2 77	—	0.67	13	17	3	1	..
Springdale	52 51	110 12	....	48 2	—	2	79 0	26	24 0	15	27 0	2.51	—	0.90	9	21	..	2	..
The Bow River																	..	7	..
Brooks	50 34	111 54	....	52 8	—	3	82 0	3	36 0	15	28 4	—	—	—	4	26	..	..	..
Calgary	51 2	114 2	3427	53 3	+ 3 1	30	82 6	3	33 0	21-22	29 2	1.11	−1.13	0.35	5	25	..	..	..
Claresholm	50 2	113 35	....	45 7	—	1	81 0	26	31 0	30	26 6	0.86	—	0.40	6	24	..	..	..
Expanse Coulee	.....	.....	.....	54 8	—	4	85 0	26	29 0	27 30	31 4	1.04	—	0.65	5	25	..	..	..
Gleichen	50 59	112 54	2052	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..
High River	50 35	113 53	3394	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..
Lawrence (Parkland)	50 16	113 26	3500	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..
Lethbridge (Exp. Farm)	49 43	112 51	.....	52 8	— 1 6	7	86 0	4	31 0	15 16	27 4	1 07	—	0 54	6	24	..	..	..
Lundbreck	.....	.....	.....	48 0	—	3	76 0	25	27 0	1 21	24 5	1.12	—	0 35	5	25	..	..	..
Macleod	49 44	113 24	3128	52 7	— 0 4	20	86 0	4	34 0	20	28 7	0 38	−0 85	0 15	3	27	..	..	..
Medicine Hat	50 1	110 37	2143	50 3	+ 3 1	36	89 0	3	35 3	21	27 5	1 40	+0 39	0 94	3	27	..	1	..
Medicine Hat (Ex Farm)	.....	.....	.....	56 0	—	1	80	4	31 0	15	28 8	1 37	—	1.23	3	27	..	..	..
Okotoks	50 43	113 59	....	51 0	—	3	84 0	4	29 0	17	28 6	0 80	—	0.42	2	28	..	..	..
Pekisko	50 26	114 14	....	44 8	—	1	81 0	3	29 0	14	31 0	2 19	—	0.73	10	20	..	..	1
Pincher Creek	.....	.....	.....	50 9	— 0 4	16	86 0	3	32 0	14 15	28 4	1 37	−0.47	0 66	4	26	..	..	..
Ronolane	50 5	111 34	2350	56 2	—	2	83 0	3	34 0	22	28 5	0.66	—	0 49	2	28	..	..	..
Strathmore	51 3	113 23	....	50 1	—	3	82 5	3	28 5	22	30 1	1.16	—	0 72	3	27	..	..	..
Suffield	50 13	111 9	....	52 7	—	2	86 0	4	37 0	21	34 8	0.65	—	0 38	4	26	..	..	..
Sundial	50 6	112 34	....	54 2	—	4	84 0	3	30 0	21	25 3	0.86	—	0.52	2	28	..	..	..

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, SEPT., 1914.

*Stations not furnished with Registering Thermometers

STATION	Latitude N.	Longitude W.	Elevation above sea level, in feet.	Temperature. Mean.	Difference from average.	Yr's observations	Highest	Date.	Lowest	Date.	Mean daily range	Precipitation. Amount.	Difference from average.	Heaviest fall in month	Days with .01 or more	No. of fair days	No. of Auroras	No. of thunderstorms	No. of fogs
ALBERTA—Continued	° ′	° ′																	
Rocky Mountains																			
Banff	51 10	115 34	4542	47 4	+ 0.9	18	75 9	3	28 1	1	32 8	2 56	+0 81	1 00	14	16	1	1	2
Brazeau Forest (Coal Spur)	49 40	114 30	4225	—	—	2	—	—	18 0	1	—	1 90	—	1 02	13	17	.	.	.
Canmore	. .	. .	....	47 8	—	1	75 1	2	25 6	1	25 1	—	—	—	5	25	.	.	..
Athabasca River																			
Athabasca Landing	54 43	113 17	1650	47.8	+ 0 4	12	76.0	24	27 0	21	21 0	1 63	+0 49	0 64	6	24		..	..
Edson	53 33	116 25	.....	.....	.....	..	..	.	.....			...	...	...			..	..	
Jasper	....	..	....	....	.. ..	..	..	.	...			.	.	..			..	.	
Lunnford	54 33	114 19	....	.....	.....	..	.	.	...				.	...			.	.	.
Pembina	54 12	114 0	.....	....	.....	..	...						.	....				..	..
Peace River																			
Beaver Lodge	55 20	119 24	...	46 4	—	7	75.0	3	18 6	17	29 7	0 74	—	0.30	5	25	6		1
Dunvegan	55 56	118 35	1305	.. ..	...	..	...												
Fort Vermilion	58 27	116 3	.....	—	—	9	—	—	25 0	26	—	1 38	—	0 40	5	25	11		
Fort Vermilion (2)	.....	.....	....	45 6	—	7	76 0	3	23 1	17	25 2	0 79	—	0 20	1	24	5	.	4
Grande Prairie	..	..	.....	47 3	—	2	80 0	5	26.0	12-29	28.8	—	—	—	.	.	..	.	..
Peace River Crossing	56 15	117 15	.....	.....	.....		...		.			.	.	..			..		
SASKATCHEWAN—																			
Qu'Appelle River																			
Broadview	50 23	102 33	1960	. .	. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Brownhill (Grenfell P.O.)	50 23	102 53	1957	56 1	+ 5.5	13	94.0	18	27 0	22	28 6	0 45	—1 12	0 21	4	26	2	.	
Buchanan	51 42	102 45	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Crescent Lake	50 59	102 25	1658	51 7	+ 3.7	10	82.7	19	25 3	24	30 9	0 61	—1.24	0 25	8	22	1	2	
Estevan	50 59	103 4	1858	56.1	+ 3 6	14	92 0	18	30 0	23	30 9	0.39	—0 96	0.28	3	27	2	..	
Fort Qu'Appelle	» 47	103 47	.. ..	56.3	—	3	88 3	18	28 2	22	31.3	0 60	—	0 46	3	27	.	..	
Hubbard (Drummgue)	. 6	103 24	.....	51 0	—	7	83 0	19	25.0	22	26 4	0 47	—	0 37	2	28	..	..	..
Humboldt	5	105 9	.....	49 6	—	9	84.0	19	24 0	16-20	32 5	0 50	—	0 40	2	28	..	..	..
Imperial	12	105 23	.....	53.4	—	3	86.0	18-20	27.0	15	32 6	0 26	—	0 12	3	27	.	..	..
Indian Head	22	103 40	1924	54.8	+ 3 5	25	88.0	18	28 0	21-23	28 8	0.47	—1.30	0 28	3	27	.	.	..
Kamsack	30	101 52	.....	53 4	—	3	84 0	18	25.0	6	29 6	0 55	—	0 50	6	24	.	.	.
Manor	43	102 2	2064	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Moose Jaw	21	105 35	1759	56 3	+ 5 5	19	87 5	25	30 0	16	31.0	0 67	—0.29	0 37	6	24	1	1	
Moosomin	50 0	101 37	1884	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Muenster (St. Peter's Mon.)	52 0	105 0	1870	51 0	—	8	82 0	25	28 0	16	25 7	0 71	—	0 32	5	25	2	.	.
Penso (Gatesgarth.)	50 20	105 0	1879	54 2	+ 1 1	17	91 0	18	28 0	15	32 2	0 45	—0 95	0 25	4	26	.	1	.
Pilger	52 25	105 9	.....	52 8	—	3	83.0	26	29 0	16	28 5	0 83	—	0.27	11	19	.	..	.
Qu'Appelle	50 30	103 47	2115	55 1	+ 3.0	30	87 0	18	29 0	3	26 5	0 78	—1 14	0 38	3	28	1	1	.
Regina	50 27	104 37	1885	54 9	+ 4 3	30	89 0	18-19	29 0	16	30 0	0 29	—0 72	0 15	3	27	..	..	1
Stoney View	.. ..	.. ..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whitewood	....	..	..	53 7	—	1	88 0	18	26 0	22	26 4	0 96	—	0 57	3	27	..	1	1
Yarbo (Fairfield)	50 39	102 4	. ..	53 7	—	7	85 0	18-30	19 3	23	28 4	0 34	—	0 31	2	28	..	1	..
Yellow Grass	49 49	104 9	. ..	.....	.....	..	..	.	..	..	..	..	..	..	..	..	..	.	..
Yorkton	51 11	102 29	....	53 1	-	6	83 0	19	26 0	4	29 8	0 56	—	0 18	5	25	.	..	..
S. Saskatchewan River																			
Chaplin	50 26	106 39	2202	53 7	+ 2 6	25	82 0	18	27 0	16	25 4	0 96	+0 11	0 78	6	24	7	2	..
Kindersley	51 28	109 9	.....	51 9	—	2	82 0	28	24 0	21	29 0	3 17	—	1 98	5	25	..	1	.
Klintonel (Divide)	49 38	108 53	3500	51 2	—	3	82 6	23	25 5	3	30 2	3 27	—	2 07	5	25	.	1	1
Kelvinhurst (Nashlyn)	51 46	108 10	.....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Larchmount (Pambrum)	49 21	109 29	2500	52 4	—	4	81 0	19	27.0	16	31 5	1 39	—	1 29	3	27	4	1	..
Rathmullen	51 20	108 57	.....	50 6	—	5	83 2	4	23 0	21	27 1	4 10	—	2 35	6	24	..	1	..
Swift Current	50 20	107 45	2439	54 3	+ 1 1	28	82 0	25	28 0	21	28 9	2 17	+0 84	1 74	7	23	3	2	..
N. Saskatchewan River																			
Anglia	51 65	101 10	....	52 8	—	2	82.0	25	25 0	21	28 8	2 78	—	1.67	6	24	10	1	..
Battleford	52 41	108 20	1620	54 2	+ 2 6	24	80 0	2-29	30.0	21	24 0	3 97	+1 71	2 10	5	25	.	..	..
Lloydminster	53 18	110 6	.....	..	.....	..	..	..	..	..	..	..	.....	..	..	..	..	..	..
Luseland	52 5	109 34	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Meadow River	..	..	.....	—	—	1	78 0	28	—			1 82	—	1 50	2	28	.	.	.
Onion Lake	53 52	109 59	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Prince (Meota)	51 6	108 20	1700	51 6	—	7	84 0	5-25	25 0	21	28 0	2 31	—	0 77	9	21	3	.	1
St. Walburg	53 36	109 9	.....	49 6	—	3	76 0	26	19 0	17	27 8	1 39	—	0 33	9	21	2	.	..
Scott (Ex. Farm)	51 59	109 30	....	50 3	—	4	80 0	25	22 2	21	29 3	3 51	—	2 25	8	22	.	.	..
Waseca	53 6	109 29	.....	49 8	—	7	78 0	3-26	20 0	21	24 7	2.09	—	1 10	5	25	7	.	..
The Saskatchewan Forks																			
Halcyonia	52 30	107 5	1800	53.6	—	1	87 0	30	27.0	21	26 4	2 55	—	1 09	9	21	1	1	
Melfort	52 47	104 30	.	51 9	—	5	81 5	18	29 0	16-21	25 8	0 44	—	0 13	8	22	.	.	..
Prince Albert	53 10	106 0	1432	49 9	+ 0.8	30	76 0	26	30.4	17	18 6	1 12	—0 32	0 58	9	21			..
Rosthern	52 40	106 20	1657	50 0	—	4	79 3	19	30 1	21	22 6	0 97	—	0 42	8	22			..
Saskatoon	52 15	106 30	1571	52 4	+ 2 4	16	81 2	27	28 9	21	24 4	1.44	—0 02	0 65	6	24			.
Lower Saskatchewan River																			
Lost River	53 17	104 21	.....	50.4	—	4	82 0	19	28 0	17	26 1	1.53	—	0 47	7	23		1	

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, SEPT., 1914.

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STATION.	Latitude N.	Longitude W.	Elevation above sea level, in feet.	TEMPERATURE. Mean.	Difference from average.	Yr's observations	Highest.	Date.	Lowest.	Date.	Mean daily range	PRECIPITATION Amount.	Difference from average	Heaviest fall in month	Days with .01 or more.	No. of fair days	No. of auroras	No. of thunderstorms	No. of fogs
MANITOBA—	° ′	°																	
Qu'Appelle and Assiniboine Rivers																			
Boissevain	50 25	101 1	1703	57 6	—	3	92 0	19	31 0	22-24	27 5	1.60	—	0 79	5	25	..	..	..
Brandon	49 51	99 57	1176	55.2	+ 1 7	26	87 0	18	26 6	24	28 0	2.47	+ 1.22	1.50	8	22	..	2	..
Carman	49 31	98 0	872	.....	.....	..	.....	..	.....	..	.....	.....	.....	.....	..	..	..	..	..
Cypress River	49 33	99 3	1232	.....	.....	..	.....	..	.....	..	.....	.....	.....	.....	..	..	..	..	..
Hillview	49 55	100 33	1400	55 8	+ 4 6	32	87 0	18	28 0	22	26 3	1.13	−0.48	0 42	5	25	1	2	..
Minnedosa	49 24	99 38	1363	60 6	—	3	94 0	18	35 0	22	26 3	—	—	—	—	—	..	3	..
Ninette	49 14	99 51	1649	55 8	—	4	90 0	18	29 0	21	25 6	0 71	—	0 44	4	26	..	..	..
Ninga	49 11	101 5	1531	55 5	—	9	89 0	19	26 0	22	32 5	0.70	—	0.35	3	27	..	..	..
Pierson	49 34	100 58	1400	.....	.....	..	.....	..	.....	..	.....	.....	.....	.....	..	..	..	..	..
Pipestone	49 57	98 17	.....	56 1	+ 2 1	24	88 0	20	31 0	7	24 3	4 03	+2 55	2 47	7	23	..	..	..
Portage la Prairie	49 56	98 17	.....	55.1	—	8	87 0	21	33 0	7-8	25 4	3.68	—	2.30	5	25	..	..	..
Portage la Prairie (2)	50 59	101 20	.....	54 4	+ 5 3	23	88 0	19	24 0	22	27 6	1 12	−2 01	0 33	6	24	..	..	..
Russell	49 42	99 33	1180	58 3	+ 3 9	29	94 5	18	30 0	22	29 3	1.17	−0.41	0 81	8	22	5	..	..
St. Alban's (Treesbank)	49 37	100 14	.....	56.3	—	2	90 0	20	28 0	23	33 7	0.35	—	0.35	1	20	..	..	..
Souris	49 36	98 40	1212	58 4	+ 5 3	19	89 0	18-19	28 0	8	22 9	1 37	−0 32	0 75	8	22	3	3	..
Treherne	49 51	100 55	1444	50.1	— 2 1	10	88 0	12-19	28.0	22	30 4	0.82	—	0.20	4	26	..	..	..
Virden																			
The Red River																			
Almasippi	49 14	99 20	.....	58 3	+ 4 4	12	90 0	19	27 0	8	27.3	2 82	−0 87	1 89	6	24	..	3	..
Morden	49 11	98 2	978	57.7	+ 2 4	10	87 0	20	31 0	8	23 8	2 20	+0 44	1 32	4	26	1	3	..
Oak Bank	49 57	96 46	800	55 5	+ 0 3	19	84 7	19	31.0	4	20 5	3.14	+0.83	1.04	9	21	..	4	..
Selkirk	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..
Stony Mountain	50 40	97 14	803	56.8	+ 3 6	32	88 0	19	30 0	4	29 8	2 93	+0.75	1.90	5	25	..	..	1
Winnipeg	49 53	97 7	760	57 0	+ 3 1	41	82 0	19	31 8	7	21 6	2 28	+0.36	0 79	9	21	2	4	..
Dauphin Lake and River																			
Berens River	52 18	97 23	710	.....	.....	..	.....	..	.....	..	.....	.....	.....	.....	..	..	..	..	..
Dauphin	51 8	100 2	957	51 1	—	4	81 0	19	30.0	7-8	23 5	1.73	—	0 80	3	27	..	..	..
Moose Horn Bay (Aitkensville)	51 15	99 33	810	53 2	—	5	79 0	20	23.5	7	22 3	1.25	—	0 48	8	22	2	1	2
Swan Lake	... ..	.....	...	56.3	—	1	88 0	19	34.0	4	23 9	1.07	—	0.71	8	22	..	3	..
Lower Saskatchewan River																			
Le Pas	53 49	101 15	860	52.1	—	4	79.0	18	23 0	17	23.9	0.65	—	0.38	4	26	..		..
ONTARIO—																			
The Lake Superior Districts																			
Rainy River																			
Atikokan	.. ..	.....	.....	53.2	—	1	83 5	20	20 2	23	35 8	3.99	—	1 12	5	25	..	..	..
Dryden	.. ..	.....	.....	53 7	—	1	81 5	20	28 7	8	20 2	3.06	—	0 70	12	18	2	..	..
Fort Frances	48 36	93 25	.....	57 4	—	2	82 0	20	34 0	26	20 5	3.51	—	0 75	9	21	..	..	..
Ignace	49 48	9 32	1102	53 5	—	1	82 0	20-21	28.0	8	20 5	5 26	—	1.14	12	18	..	2	..
Kenora	.....	.....	.....	.....	.....	..	.....	..	.....	..	.....	.....	.....	.....	.....	.....	..	..	..
Rainy River	.....	.....	.....	.....	.....	..	.....	..	.....	..	.....	.....	.....	.....	.....	.....	..	..	..
Shoal Lake	49 37	95 6	.....	.....	.....	..	.....	..	.....	..	.....	.....	.....	.....	..	..	..	..	..
Sioux Lookout	.. ..	.....	.....	53 7	—	1	83 0	21	27 0	8	25 0	5.19	—	1 20	11	19	7	5	1
Thunder Bay																			
Heron Bay	48 18	86 16	.....	50.9	+ 4 4	16	78 0	1	25 0	28	21 3	2.89	−0.55	1 15	7	23	..	..	..
Kakabeka Falls	48 29	89 26	912	53.9	—	6	84.0	20	28 0	7 8	22 9	2 34	—	0 42	13	17	1	2	..
Nipigon	.....	.....	.....	53 7	+ 3 5	13	80 5	20	29 0	27	21 0	4.49	—	1 27	19	11	..	..	..
Oscar	.. ..	.....	.....	52.0	—	1	84 0	20-21	24 0	8 9	24 6	4.21	—	0.92	16	14	..	..	..
Port Arthur	48 27	89 12	644	51 5	+ 1 7	32	80.0	20 21	24 0	7 8	17 0	2 70	−0 51	0 62	14	16	..	3	6
Savanne	48 55	90 18	1506	50 8	+ 1 0	13	82.5	21	25 0	8	24 8	2 83	−0 53	1 23	4	26	..		..
Schreiber	48 50	87 15	933	52 5	—	8	72.8	1	30 8	7	16 9	4.86	—	1.65	12	18	4	1	11
Algoma																			
Bisco	47 40	82 11	1333	53 6	—	2	87 2	1	25 1	28	21 1	1 83	—	0 62	9	21	..	..	..
Bruce Mines	46 18	83 55	595	.....	.....	..	.....	..	.....	..	.....	.....	.....	.....	.....	.....	..	..	..
Chapleau	47 48	83 28	.....	—	—	6	82 0	20	—	—	—	2.02	—	0 50	10	20	..	..	..
Copper Cliff	46 30	80 59	.....	.....	.....	..	.....	..	.....	..	.....	.....	.....	.....	.....	.....	..	..	..
Grassett	48 29	84 20	.....	.....	.....	..	.....	..	.....	..	.....	.....	.....	.....	.....	.....	..	..	..
Porcupine	48 35	82 14	.....	54 6	—	4	89 0	22	27 0	28	26 6	1.79	—	0.38	11	19	..	..	..
Providence Bay	48 35	85 16	1252	.....	.....	..	.....	..	.....	..	.....	.....	.....	.....	.....	.....	..	..	..
Timmins (Wawaitin Falls)	48 40	81 30	885	54 4	—	2	85 5	21 22	26 5	28	22 0	2 94	—	0 68	14	16	2	1	..
Turbine	46 18	81 35	685	53 2	—	1	84 5	21	24 7	28	24 5	3 03	—	1 13	9	21	..	..	..
White River	48 35	85 16	1248	50 5	+ 0.5	21	81 0	21	20 0	28	26 2	2 07	−0.79	0 42	16	14	..	2	..
Nipissing																			
Cochrane	49 2	81 0	946	53 5	—	3	85 0	20 21	28 0	28	19 4	1 47	—	0.37	14	16	1	1	2
Haileybury	47 29	79 39	687	56 3	+ 1.9	19	87 5	20	31 4	28	18 5	3.78	+0.41	1 68	13	17	3	4	1
Iroquois Falls	48 45	80 40	850	.....	.....	..	.....	..	.....	..	.....	.....	.....	.....	.....	.....	..	..	..
Montreal River	47 8	79 29	.....	51.6	—	4	92 0	15	12 0	9	35 5	3 11	—	1.31	6	24	..	..	..
Upper Ottawa River																			
Rutherglen (Lake Talon)	46 15	74 48	..	54 2	— 1.1	19	86 0	22	25 0	26 28	26 0	1 70	—1 97	1.03	7	23	4	3	..
Stonecliff (Rockliffe)	46 9	78 6	557	56 2	+ 0 0	27	91 0	22	31 0	28	25 5	2 79	−0 60	1 23	14	16	..	1	7

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, SEPT., 1914

* Stations not furnished with Registering Thermometers

STATION	Latitude N.	Longitude W.	Elevation above sea level in feet	TEMPERATURE: Mean	Difference from average	Yr's Observations	Highest	Date	Lowest	Date	Mean daily range	PRECIPITATION: Amount	Difference from Average	Heaviest fall in month	Days with .01 or more	No. of fair days	No. of auroras	No. of thunderstorms	No. of fogs
ONTARIO—Continued—																			
Upper St. Lawrence and Lower Ottawa Rivers	°	° ′																	
Almonte	45 12	76 13	390	55.7	—	3	88 0	21	28 0	29	23 6	2 19	—	0 64	8	22			
Bloomfield	43 59	77 21	200	59 9	— 1 5	14	86 0	24	36 0	26-28	18 3	1 80	−0 98	0 71	6	24			
Hillier	....	....	....	58.6	—	3	85.0	22	35 0	26-28	19 2	1 90	—	0 40	6	24		2	
Kingston	44 13	76 29	285	58 3	— 2 1	40	78 4	22	36 7	28	17 4	2 58	−0 52	0 88	8	22		1	
Montague	44 56	75 57	....	56.7	—	5	89 6	22	27.0	29	4 7	2 15	—	0 85	8	22		2	2
Morrisburg	44 56	75 12	....	55 5	—	2	86 7	22	27.5	29	25 1	2 37	—	0 69	9	21	1	4	3
North Gower	45 —	75 43	....	56 7	— 1 3	12	95 0	22	29 0	28-29	32 1	—	—	—	—	—		1	
Ottawa	45 26	75 42	294	57.0	— 1 9	24	88 0	22	31.0	29	15 6	2.54	−0 08	0 74	9	21		2	
Renfrew	45 26	76 39	416	57.1	+ 0 4	24	91 5	21	30 0	29	26 1	2 30	+0.12	0 91	11	19	1	3	13
Georgian Bay Counties																			
Barrie	44 23	79 41	339	57 9	— 1 4	34	85 3	21	34 1	26	18 7	1 06	−1 61	0.24	12	18	1	3	
Beatrice	45 —	79 20	800	55 1	+ 0.6	39	84 0	22	27 0	26-27	22 4	2 41	−1.37	0.79	9	21		1	2
Big Chute (Buskin P O)	44 42	79 38	655	58 5	—	2	88 0	21-23	33 0	28	22 5	2 07	—	1 10	5	25			2
Coldwater	44 38	79 40	600	56 6	— 1 7	25	90 0	21-22	24 0	28	29 2	0 84	−2.94	0 23	9	21			
Collingwood	44 31	80 2	....	59.5	— 0 5	21	85.0	21	33 0	28	17 0	0 93	−2 16	0.34	8	22			
Gravenhurst	44 54	79 20	....	56 6	— 0 4	43	87 0	22	26.0	28	23 8	1 83	−0 54	0 68	9	21	1	4	
Huntsville	45 19	79 8	.....	56 2	—	8	87.0	21	28 9	28	24 7	—	—	—	—	—			
Markdale	44 36	80 36	....	55.0	—	3	90 0	22	22 0	28	23 8	0.92	—	0.43	6	24		1	
Meaford	44 19	80 39	.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
*Midland	44 44	79 53	750	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Orillia	44 37	79 24	775	59.0	— 0 2	23	89.0	22	32 0	28	23.3	1 15	−1 82	0 36	5	25	..	..	..
Owen Sound	44 34	80 55	597	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Parry Sound	45 19	80 0	635	58 2	+ 0 0	38	85.0	22	31 0	26 28	21 1	2 82	−0 74	1.69	8	22	2	2	..
Ronville	43 15	78 57	1038	55.4	—	7	84 0	22	28 0	25	24 0	2 54	—	0 82	10	20			..
Sundridge	.. ..	....	.....	55 1	—	1	84 0	21	23 0	25	23 9	1 00	—	0 47	6	24	..		..
Tobermory	.. ..	....	.....	59.3	—	1	84.0	21	35 0	30	16 1	1 50	—	1 12	7	23	..	2	..
Lake Huron Counties																			
Birnam	43 2	81 55	600	59 7	— 0 9	29	84 5	21	37 2	28	17 1	3.83	+0 84	1 75	7	23	..	..	..
Brucefield (Clinton)	43 32	81 37	....	58 3	— 0 8	12	85 0	23	32 0	28	20 0	2 49	−0 58	0 52	12	18	..	4	..
Lucknow	43 56	81 30	908	57 1	— 3.3	25	87.3	21	26 0	28	24 1	1.72	−1 41	0 77	9	21	1	4	..
*North Bruce	44 23	81 25	.....	59 3	— 0 2	26	86.0	22	33 0	28	—	0 61	−2 12	0 20	6	24	..	..	..
Ridgecrest (Goderich)	43 45	81 41	.....	59 0	— 1 4	24	84 0	22	35 0	28	17.3	1.90	−0 01	0 41	12	18	..	..	..
Southampton	44 30	81 21	656	59 7	— 0 1	38	83.9	22	32 1	28	18 0	0 87	−1 48	0 23	10	20	..	..	..
Lakes St. Clair & Erie, Niagara Peninsula																			
Chatham	42 23	82 12	595	63 3	+ 1 6	28	91 0	21	38 0	29	24 7	2 85	−1 28	1 24	6	24	..	..	..
Cottam	42 7	82 45	606	59 5	— 3 1	29	90 0	21-22	32 0	25-27	29 8	2 39	−0 60	0 96	7	23	..	..	..
Dutton	42 46	81 32	.....	60.7	—	2	93 5	1	34 0	26	23 1	—	—	—	—	—	..	..	..
Grimsby	43 13	79 36	.....	61 9	—	4	90 0	21	42 0	25 27	21 3	2 62	—	1 25	6	24	..	..	..
Pelee Island	41 54	82 35	585	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Port Burwell	42 39	80 55	592	58.4	— 2 5	11	78 0	22	36 0	26-28	16 4	2 21	+0 14	1 05	6	24	..	..	..
Port Dover	42 27	80 13	635	59 7	— 0 9	42	87 5	22	34 5	28	19 5	2 65	+0 22	1 20	9	21	..	3	..
Port Stanley	42 40	81 13	592	58 3	— 2 5	38	79.2	22	33 5	28	18 1	2 22	−0 59	0 60	9	21	..	1	1
St. Catharines	43 —	79 17	347	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Stoney Creek	43 13	79 45	292	60 5	— 1.9	29	89 0	21	35 0	28	23 5	1 99	−1 69	0.95	4	26	..	1	..
Wallaceburg	42 35	82 24	....	61.9	—	9	89 0	21	34 0	25	25 1	2 12	—	0.62	7	23	..	..	..
Welland	42 59	79 17	577	61.1	— 0 1	28	82 C	2	40 0	28	15 6	1.32	−1 95	1 03	6	24	..	..	..
Windsor	42 20	83 4	625	62 1	— 0.8	41	88 0	22 23	40 0	26	17 1	3 18	+0 78	1 00	5	25	..	..	..
West-Central Counties																			
Altoa	43 51	80 5	1259	57.6	— 0 4	27	86 0	22	24 0	28	22 4	2 67	−0 12	1 40	7	23			
Brantford	43 10	80 21	750	58 9	— 3.3	32	89 0	21	32 0	27	20 4	—	—	—	—	—		3	1
Elora	43 41	80 24	1274	57.6	— 0.1	17	89 0	21	29 0	28	25 3	2 85	+0 45	1 45	7	23			1
Guelph	43 33	80 16	1050	59 5	+ 0 6	29	87.0	21	30 0	28	22 6	1 97	−0 20	1 07	8	22			
Listowel	43 44	80 58	1262	56 3	— 1 7	12	84 0	20	30 0	27	23 0	2 88	−0 15	0 97	7	23			
London	42 59	81 13	808	59.7	— 0 9	28	90 0	21	30 0	28	25 1	2 45	−0 61	1 46	6	24		3	1
Paris	43 12	80 25	840	61 1	+ 0.9	25	90 0	21	34 0	28	24 2	3 22	+0 51	2 03	6	24		2	
Shelburne	44 5	80 47	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Stratford	43 23	81 0	1191	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Woodstock	43 8	80 47	980	—	—	40	—	—	36 0	29	—	3 39	−0 94	2 97	5	25		1	
Lake Ontario Counties																			
Agincourt	43 47	79 16	590	59 9	— 0 5	19	88 0	22	34 0	28	20 7	1 82	+0 07	0 61	5	25		2	
Aurora	43 57	79 24	886	54 7	—	7	85 0	23	28 0	27	23 8	2 41	—	1 80	5	25		3	
Georgetown	43 38	80 2	....	57 8	—	1	85 5	21	34 2	28	23 6	2 03	−0 38	0 74	7	23	1	3	
Hamilton	43 16	79 54	803	60.5	— 1 2	40	87 5	22	38 5	28	17 0	0 60	−2.48	0.40	2	28		1	
Oshawa	43 53	78 52	331	59 2	—	5	84 0	22	37 0	28	18 2	2 14	—	1 12	7	23			
Toronto	43 40	79 24	350	61 0	+ 0 2	73	86 8	22	36 8	28	23 4	1 54	- 1.31	0 50	9	21	1	5	
Toronto Is.(Lakeside Home)	43 40	79 24	...	60 9	+ 0 1	10	83 0	22	39 0	28	19 6	—	—	—	—	—			
Uxbridge	44 5	79 8	886	57 7	— 1 1	10	86 0	21-22	30 0	28	23 8	1 64	−0 93	0 72	7	23			
Wexford	43 44	79 17	555	58.5	—	3	85 0	22	35 0	28	17 6	1 51	—	0 46	8	22		3	

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, SEPT., 1914.

*Stations not furnished with Registering Thermometers

STATION	Latitude	Longitude	Elevation above sea level, in feet	TEMPERATURE									PRECIPITATION			Days with .01 or more	No. of fair days	No. of auroras	No. of thunderstorms	No. of fogs
				Mean	Difference from average.	Yr's Observations	Highest	Date	Lowest	Date	Mean daily range	Amount	Difference from average	Heaviest fall in month						
East-Central Counties	° ′	°																		
Bancroft	45 1	77 50		53 7	+ 0 5	23	86 0	22	28 0	30	27 3	2 00	−2 07	0 72	6	24	..	..	..
Haliburton	45 1	78 28	1050	56 0	− 0 8	27	88 0	21 22	25 0	28	28 5	1 50	−1 43	0 70	7	23	..	4	..
Kinmount	44 45	78 38	920	53 4	− 1 5	15	86 0	22	25 0	27	28 3	1 90	−1 15	0 81	9	21	..	..	..
Lakefield	44 25	78 15	850	58 3	− 1 6	31	84 0	22 23	36 0	26-28	18 9	2 06	−0 90	0 92	5	25	1	1	..
Lindsay	44 20	78 45	872	57 8	+ 0 6	32	87 7	21	31 2	28	24 8	3 31	+1 03	1 80	7	23	..	2	..
Norwood	44 24	77 57	..	57 5	—	2	87 9	22 23	29 5	28	26 5	1 50	—	0 83	4	26	..	1	..
Peterboro'	44 17	78 19	722	57 5	− 1 5	44	87 0	22-23	32 0	26-28	26 6	1 98	−1 20	0 80	7	23	..	2	..
Queensboro	....	....	....	54 2	—	1	84 0	22	28 0	30	26 4	2 00	—	0 79	9	21	..	1	1
Ursa	44 54	78 18	..	..	....	..	..	..	..	..	..	.....	.....			..	..	..	..
QUEBEC—																				
Middle St. Lawrence																				
Bark Lake Depot	46 30	75 20		55 8	—	1	89 0	22	25 0	29	21.0	3 12	—	1 53	7	22	..	..	..
Beauceville	46 11	70 48	557	54 8	—	2	88 0	24	23 0	29	23 0	2 19	—	0 83	6	24	..	..	6
Bromo	45 10	72 36	678	55 2	+ 0 0	34	83 0	22	32 0	28	19 7	3 02	−0 55	0 40	14	16	..	3	..
Cap Rouge	46 46	71 18	..	55 8	—	4	84 0	23	27 0	29	29 2	4 92	—	1 13	14	16	..	..	3
Cedar Rapids	45 21	74 5	132	57 6	—	2	87 0	23	27 0	29	21 8	2 06	—	0 52	9	21	..	..	1
D'Israeli	45 55	71 21	896	—	—	4	85 0	21	—	—	—	2 44	—	0 67	9	21	..	1	3
Drummondville	46 50	72 30	..	56 8	—	1	88 5	22	29 5	29	22 4	2 69	—	0 92	10	20	2	1	6
Huberdeau	45 59	74 41	900	55 1	—	1	87 5	21	22 7	29	24 1	2 24	—	0 64	9	21	..	2	..
Huntingdon	45 5	74 10	....	57 6	—	1	88 0	24	26 0	30	22 3	1 50	—	0 50	3	27	..	..	..
Johette	46 2	73 25	..	—	—	1	81 0	24	—	—	—	2 86	—	0 81	9	21	..	..	..
Lake Megantic	45 35	70 53	1314	54 0	—	1	84 0	22	24 0	28	18 8	3 50	—	1 01	14	16	..	2	..
MacDonald College (Ste. Anne de Bellevue)	45 27	73 59	.....	.....	.....	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Manwaki	....	....	....	—	—	1	89 0	23	—	—	—	1 92	—	0 77	12	18	..	1	3
Montreal	45 30	73 35	187	58 8	+ 0 0	40	84 2	22	32 1	29	15 9	2 56	−0 82	0 76	12	18	1	3	2
Nicolet	46 15	72 36	....	56 7	—	1	86 0	23	24 5	29	19 4	3 42	—	0 82	9	21	..	2	1
Nominingue	46 27	75 0	.....	65 5	—	1	88 0	22	24 5	29	32 4	2 93	—	1 17	11	19	..	..	..
Quebec	46 48	71 13	296	56 4	+ 1 0	40	82 6	22	27 0	29	17 2	5 10	+1 37	1 08	13	17	2	1	2
Sorel	....	....	..	57 5	—	1	87 0	23	25 0	29	21 7	2 97	—	0 80	11	19	..	3	..
St. Lin	45 48	73 47	.....	56 6	—	1	87 0	23	21 0	29	32 7	3 08	—	0 82	10	20	..	..	1
Shawbridge	45 54	74 3	.....	..	..	..	..	..	..	..	..	.....	.....	.....	..	..	..	..	..
Shawenegan Falls	46 34	72 43	..	52 8	− 1 1	11	86 0	23	20 0	29	23 6	3 02	−0 38	0 84	12	18	..	2	..
Sherbrooke	45 24	71 53	620	..	....	..	..	..	..	..	....	....	..	..	..	..	..	..	..
Lower St. Lawrence & Gulf																				
*Anticosti, E. Pt	49 6	61 42	30	50 6	+ 0 6	31	65 0	2	35 0	27	..	1 52	−1 08	0 73	4	26	..	..	4
Anticosti, S.W. Pt	49 24	63 33	.....	49 8	+ 1 0	33	72 0	23	29 0	27 29	15 8	0 70	−2 06	0 17	10	20	..	1	1
*Anticosti, W. Pt	49 52	64 32	30	50 1	− 2 0	33	65 5	22	35 0	27	—	1 83	−0 89	0 75	9	21	..	..	4
*Bicquet	48 25	68 53	.....	55 4	+ 8 2	33	82 0	22	35 0	29	—	2 25	−0 81	0 60	5	25	..	..	3
*Cape Chatte	49 6	66 45	....	53 0	+ 0 1	31	63 0	2-23	40 0	27	—	1 25	−1 38	0 85	2	28	..	..	2
*Cape Magdalen	49 16	65 20	93	51 2	− 0 4	32	65 6	2	36 0	30	—	1 99	−0 61	1 00	8	22	1	..	1
Cau-apscal	48 21	67 12	450	50 0	—	1	76 0	16	24 0	22 24	21 0	0 46	—	0 27	2	28	..	..	..
Father Point	48 31	68 19	20	50 5	+ 0 5	37	76 0	23	30 0	30	13 5	2 21	−0 83	0 54	10	20	..	..	..
Ste Anne de la Pocatiere	47 22	70 2	65	52 1	—	4	82 4	24	32 0	30	28 1	2 34	—	0 74	7	23	..	..	..
Tadoussac	48 10	69 47	..	52 5	—	1	78 0	22	18 5	30	16 4	2 36	—	0 70	15	15	..	..	2
Lake St. John																				
Chicoutimi	48 25	71 5	150	55 8	+ 2 3	35	87 4	22	25 3	29	19 2	2.75	+0 63	0 75	16	14	..	1	13
Chicoutimi (2)	48 25	71 5	..	50 0	—	4	79 0	23	23 0	29	7 8	—	—	—	—	—	..	..	3
La Loutre Rapids	48 23	74 18	1288	51 6	..	3	85 0	22	20 0	29	21 3	2 49	—	0 95	9	21	..	1	1
Lake Edward	47 30	72 15	1333	53 7	..	6	82 0	19 21	18 0	29	23 8	1 30	—	0 27	7	23	..	..	7
La Tuque	47 27	72 48	520	56 2	—	3	90 0	23	21 0	29	32 1	3 17	—	0 85	9	21	..	..	9
Mistassini	48 54	72 15	360	53 4	—	3	87 0	23	21 2	29	21 0	1 70	—	0 53	13	17	6	1	3
Roberval	48 31	72 13	352	54 3	—	8	88 0	22	24 0	28	20 9	1 81	—	0 46	14	16	..	1	..
The Northwestern Districts																				
Abitibi	48 33	79 22	.....	54 4	+ 2 6	19	83 0	21	28 0	28	14 9	2 16	−0 25	0 65	10	20	..	..	..
Amos	48 36	78 7	.....	51 5	..	2	84 4	21	23 4	26-28	20.0	2 35	—	0 52	14	16	..	..	..
Quinze Dam	47 34	79 16	.....	54 9	—	1	88 6	22	32 0	8 30	23 2	4 56	—	1 30	7	23	..	..	..
Timiskaming	46 44	79 7	.....	59 0	—	1	86 0	21 22	36 0	28	18 0	3 07	—	1 87	10	20	..	..	..
Ville Marie	47 55	79 25	..	56 2	—	1	88 0	19	27 0	28	29 7	5 20	—	1 90	10	20	..	1	..
White Shore Lake	48 12	75 43	1394	..	..	..	..	..	..	..	..	.....	.....	..	..	..	..	..	..
The North Shore																				
Clarke City	50 10	66 25	.....	....	....	..	..	..	..	..	..	.....	.....	..	..	..	..	..	..
NEW BRUNSWICK—																				
Chatham	47 3	65 29	21	58 3	− 1 2	10	91 0	23	35 0	28	29 1	2 03	− 1 10	6 78	11	19	..	1	..
Dalhousie	48 4	66 22	39	56 8	+ 3 8	40	89 0	21 24	35 0	29	18 3	1 50	−1 38	1 10	2	28	..	..	..
Edmunston	.. ..	....	..	—	—	1	90 0	24	—	—	—	0 57	—	0 25	3	27	..	..	6
Fredericton	45 57	66 36	164	58 1	+ 1 9	11	90 0	22 23	30 0	28	24 0	2 51	−0 86	1 26	8	22	..	1	2
Fredericton (Exp Farm)	..	..	06	58.8	—	2	89 0	23-24	30 0	29	25 6	2 78	—	1 22	8	22	..	..	..
Grand Falls	47 2	67 44	..	..	..	..	..	..	..	..	..	.....	.....	..	..	..	..	..	..
Moncton	46 9	64 45	50	55.5	− 0 3	17	87 0	23	26 0	29	21 8	2 50	−0 39	0 90	6	24	..	1	..
*Point Lepreaux	45 4	66 28	30	53 8	− 0 8	11	73 0	18	35 0	28 29	..	1 36	− 2 29	0 66	4	26	..	..	4
St. John	45 17	66 4	70	56.7	+ 0 0	41	77 0	16	34 1	29	12 5	2 91	−0 73	1 36	12	18	..	2	6
St. Stephen	45 11	67 16	35	57 0	− 0 6	17	90 0	22 23	24 0	30	27 6	1 26	−1 90	0 69	4	26	..	3	2
Sussex	45 38	65 38	96	58 1	+ 2 8	17	88 0	23	32 0	29	24 6	2 35	−0.48	0 78	7	23	..	..	..
Williamsburg	46 20	66 43	..	..	..	..	..	..	..	..	..	.....	.....	..	..	..	..	..	..
Woodstock	.. ..	.... ..	..	59 3	—	1	75 0	22	35 0	28	13 0	2.09	—	1 41	3	27	..	..	3

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, SEPTEMBER, '14.

*Stations not furnished with Registering Thermometers.

STATIONS	Latitude	Longitude	Elevation above sea level, in feet	TEMPERATURE								PRECIPITATION			Days with 0.1 or more	No. of fair days	No. of auroras	No. of thunderstorms	No. of fogs.
				Mean	Difference from average	Yr's Observations	Highest	Date	Lowest	Date	Mean daily range	Amount	Difference from average	Heaviest fall in month					
NOVA SCOTIA—	° ′	° ′																	
Advocate	45 19	64 46	.....	54 1	—	2	77 0	24	35 0	14-30	17 9	3.10	—	1.40	6	24	1	3	2
Annapolis Royal	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Antigonish	45 38	61 59	50	58 0	—	4	94 0	23	34 0	11-14	22 7	—	—	—	—	—	..	..	..
Berwick	45 5	64 50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Halifax	44 39	63 36	88	58 4	— 0.5	40	86 1	22	33 4	30	22.1	3 59	—0 42	1 68	10	20	..	1	3
Kentville	45 3	64 36	40	51 2	—	3	83 0	22	30 0	30	21 3	3 07	—	0 93	7	23	.	2	..
Kentville (2)	.....	.....	.....	57 7	—	2	88.0	22	35 0	14	21 6	3 65	—	1 06	9	21	..	..	..
Liverpool	44 0	64 40	50	57 7	—	2	88 0	22-24	28 0	30	27 2	1 93	—	0.87	6	24	..	..	4
Middletoa	.	.....	.....	59.6	—	1	93 8	24	33 0	15	26 8	2 89	—	1 15	6	24	..	1	..
Nappan	45 46	64 34	.....	56 3	—	1	84 0	22	33.0	14	20 8	3 05	—	1 03	8	22	..	..	.
New Germany	44 30	64 42	.....	59 0	—	3	91 0	22	32 0	20	20 9	3 30	—	0.90	8	22	.	..	.
Parrsboro'	45 23	64 19	40	54 9	— 0.8	17	78 5	22-24	33 0	11-22	27 6	2 66	—0 36	1 30	3	27	.	..	1
Port Hastings	45 39	61 22	45	.....	..	..	..	....	...	.	.	.	.	.	..	..	.	..	.
*Sable Island, E. Pt.	43 58	59 46	25	.....	..	..	..	....	..	..	..	..	..	....	..	..	.	..	.
Sable Island (Main Station)	43 57	60 6	25	.....	...	31	..	...	..	..	..	..	..	....	..	..	.	..	.
Sutherland's River	...	.....	.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sydney	46 10	60 10	35	57 9	+ 0 9	41	87.0	22-23	36 5	12	17 6	1 20	—1 99	0 78	16	20	.	2	.
Truro	45 22	63 18	77	55 7	— 0 2	37	89.2	23	30 5	14	24 9	2 50	—0 51	1 01	10	20	.	1	1
Truro (2)	45 25	63 15	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whitehead	45 15	61 8	20	56 1	— 1 5	31	75 0	16	36 0	26	11.5	0 64	—2 07	0 61	2	28	..	..	5
Windsor	44 59	64 6	90	58 9	+ 1 8	12	91 0	24	35 0	14	20 8	2 94	+0 05	0 98	9	21	..	2	.
Wolfville	45 7	64 20	..	55 3	— 1 6	15	85 6	22	32 5	30	24 5	3.67	+0.71	1 14	6	24	..	..	2
Yarmouth	43 50	66 2	65	55 2	— 1.0	34	74 0	17-24	35 8	29	14.4	2.10	—1.79	0.88	11	19	..	1	4
P. E. ISLAND—																			
Charlottetown	46 14	63 10	38	58 0	+ 0.2	39	82 0	22	36 0	29	16 5	2 75	—1.09	0 76	11	19	..	1	5
Charlottetown (Exp. Farm)	46 14	63 7	75	58 0	—	5	87.0	23	35.0	29	17 2	5.02	—	1 47	11	19	..	.	
Hamilton	46 25	63 48	...	..	....	.	....	.....	.....			.....	.....			..	..	..	..
Summerside	46 18	63 51	.....	...	....	.	....	.....	.	.		...	....	..	.	..	..	..	..
NEWFOUNDLAND—																			
*Amour Point	51 28	56 51	...	45.9	+ 0 0	21	56 0	4	34 0	10	—	0.15	—2 29	0.15	1	29	..	..	5
Burin	47 0	55 10	27	54 0	—	6	72 0	23-24	38.0	29-30	16 1	5 50	—	2 84	13	17	..	1	3
*Cape Norman	51 38	55 52	.....	44.3	— 3 9	32	59 0	11	32 0	29	—	0.95	—2 63	0 23	5	25	..	..	10
Fogo	49 43	54 17	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
*Point Riche	50 42	57 25	35	49 4	— 2 1	30	79 0	25	35 0	27	—	1.60	—1 83	1.00	5	25	.	1	1
Port aux Basques	47 35	59 10	27	51 8	—	6	69 0	22	32 0	28	10 7	4.05	—	1 43	12	18	1	..	5
St. George's	48 28	58 25	....	52 6	—	24	66 8	2	31 6	29	13 0	0.63	—	0 11	9	21	..	1	.
St. John's	47 34	52 42	125	53 2	— 0 5	41	82.0	23	34 0	29	14 0	3 59	+0 14	1 24	14	16	..	1	4
BERMUDA—																			
Prospect	32 17	64 46	151	75.2	— 2 7	24	86.6	19	61 2	22	12.5	6.60	+1 42	2 26	17	13	..	4	..

PRECIPITATION AT STATIONS REPORTING RAIN, SNOW, WEATHER, &c., DURING SEPT., 1914.

STATIONS	RAINFALL. Amount in inches.	No of Days .01 or over.	No. of Fair Days.	Heaviest Fall in Month.	Date.	SNOWFALL. Amount in inches.	No of Days.	Heaviest Fall in Month.	Date	REMARKS
British Columbia—										
Alkali Lake	1 62	7	23	0 72	7					
Annis (Canoe Point)	2 27	16	14	0.68	26					
Beaver Lake (Royal Oak)	2 46	10	20	0 50	17					
Coquitlam	7 98	13	17	1 41	29					
Denman's Island	5 28	12	18	1 16	15					
Ferguson	5.13	19	11	0 65	19					
Goldstream Lake	3 57	16	14	0 74	8					
Hornby Island	4 89	19	20	1 55	18					
Hydraulic										
Invermere	2 16	11	19	0 57	11					
Jordan River	4 62	16	14	0 98	8					
Jordan River (Bear Creek)	6 03	17	13	0 54	28					
Little Qualicum(Fr.Cr V.L.)	5 00	19	20	1 04	14					
Lumby										
Nass Harbour	8 84	21	9	1.41	10					
Rock Creek	1 02	7	23	0 27	14					
Sooke Lake	3 26	14	16	0.50	6					
Stamps Falls (Alberni)										
Wycliffe										
Alberta—										
Bardo	1 74	6	24	0.69	7					
Beaver Mines	0 62	2	27	0 32	8	7 8	1	7 8	15	
Bismark	0 86	3	27	0 43	7					
Bittern Lake	1 26	10	20	0.41	8-9					
Brooks	1 20	2	28	0.75	28					
Bruederheim										
Caldwell (Sprigg Hill)	1 30	5	25	0.57	12					
Clare-holme	0 12	1	29	0.12	12					
Clarinda	1 14	4	26	0 83	14					
Coalspur	1 69	9	17	1.02		2 1	4	1.0	14	
Coleman	2 29	8	22	0.36	8	*	3	*	15-16-17	
Conjuring Creek										
Cree Bank Ranch (Cowley)	0 87	9	20	0 31	8	5.0	1	5.0	15	
Dorenlee (Bashaw)										
Dunstable (Five Lakes)	3.37	10	20	1 13	19	*	1	*	15	
Grassy Lake	0 55	4	26	0 20	13					
Jumping Pound										
Kinnaird	2 86	9	21	1 23	19					
La Pearl										
Lethbridge	0 75	5	25	0 27	7					
Lineham	1 55	2	28	1 22	17					
Lyndon	1.32	5	25	0 60	7					
Macleod										
Maycroft	1 65	8	22	0.48	8	*	1	*	12	
Mountain View	0 90	2	28	0 59	12					
Nanton	1 12	6	24	0 40	12					
Nateby	0 63	3	27	0.47	8					
Pekisko										
Ponoka	2 42	3	27	1 97	8					
Roycroft Ranch (Mannville)	2 28	2	28	1 50	9					
Seven Persons	1 36	4	26	1.10	13					
Waterton Mills	1.24	7	23	0 58	16					
Saskatchewan—										
Gull Lake	0 97	1	29	0.97	13	4 0	1	4 0	13	
Gull Lake (Fks. Swift Cur)	2 34	6	24	0.98	13	4 0	1	4 0	13	
Wapashoe	3 00	4	26	2.19	13					
Manitoba—										
Cartwright										
Delorraine	0 46	2	28	0 40	20					
Rapid City	1 92	5	25	1.31	9					
Ontario—										
Bow Park Farm(Brantford)										
Deer Park	1 38	7	23	0.43	1					
Dutton										
Emsdale	5 02	11	19	2 06	7					
Fort Frances										
Grand Valley	2 30	7	23	1 09	2					
Grantham	1 95	5	25	0 90	24					
Long Lake (Zeta)	1 82	13	17	0.35	30					
MacCoe	2 81	8	22	1 01	1					
NiagaraFal's	2 08	7	23	0.74	23					
Nipigon										
Point Clark										
Princeton										
Rock Chapel (Grimsby)	2 75	7	23	1.26	2					
Strathroy										
Sudbury	3 37	11	19	1 63	1					
Sydenham	1 94	3	27	1 10	2					
Watford	3 51	6	24	1 91	1					
Wawaitin Falls										
Westminster	2 37	3	27	1 33	1					
Westport	1 65	9	21	0 70	1					
Wiarton	1 00	7	23	0.58	6					

PRECIPITATION AT STATIONS REPORTING RAIN, SNOW, WEATHER, [illegible] DURING SEPT., 1914.

STATIONS	RAINFALL.					SNOWFALL.				REMARKS
	Amount in inches	No. of Days .01 or over.	No. of Fair Days.	Heaviest Fall in Month	Date	Amount in inches	No. of Days.	Heaviest Fall in Month	Date	
QUEBEC—										
Kipawa Dam	3 99	8	23	1 79	1					
Locerno	2 68	6	24	1 10	5					
Perkins Mills	2 88	8	22	1 06	6					
Quinze Dam										
Timiskaming										
NEW BRUNSWICK—										
Point Escuminac	1 82	4	26	1 22	29					
NOVA SCOTIA—										
Milton										
South Alton	4 82	7	23	1 25	2-27					
White Rock										

PRESSURE, HUMIDITY, CLOUDINESS AND WIND AT STATIONS OF THE FIRST CLASS DURING THE MONTH OF SEPT., 1914.

a Barometer not reduced to sea level

STATION	Latitude N.	Longitude W.	Elevation above sea level, in feet.	Pressure. Mean reduced.	Pressure. Highest.	Pressure. Lowest.	Pressure. Range.	Mean relative humidity	Mean amount of cloud.	No. of days completely clouded.	Direction of Wind from N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	C.	Total number of observations	Velocity of Wind. Mean miles per hour.	Maximum velocity.	Date and direction from.
BRITISH COLUMBIA—	° ′	° ′																					
Atlin	59 35	133 38	2210	29 55	30 16	29 48	0 68	—	7	10	2	0	0	11	26	2	3	6	10	60	.....	.....	.....
Barkerville	53 2	121 35	4180	29 66	30 24	29 41	0 83	88	6	9	0	0	1	1	1	7	2	0	48	60	.....	.....	.....
Kamloops	50 42	120 29	1245	29 86	30 35	29 34	0 91	66	6	10	2	2	14	3	9	2	8	6	14	60	.....	.....	.....
a Nanaimo	49 10	123 37	125	29 91	30 26	29 43	0 83	86	7	10	0	5	6	13	4	2	1	5	30	60	.....	.....	.....
Prince Rupert	54 18	130 18	170	29 83	30 19	29 33	0 86	80	8	17	1	1	3	4	9	6	4	0	32	60	.....	.....	.....
Triangle Island	50 52	129 5	680	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....	.....	.....
a Tranquille	50 41	120 29	..	28 58	29 00	28 10	0 90	70	6	3	0	1	7	3	1	2	9	2	35	60	.....	.....	.....
Vancouver	49 17	123 5	136	29 95	30 30	29 38	0 92	8	7	15	0	6	21	10	0	4	6	6	8	60	.....	.....	.....
Victoria	48 24	123 19	85	29 95	30 32	29 47	0 85	87	7	9	6	7	7	5	12	20	2	0	1	60	9 4	44	14SW
YUKON—																							
Dawson	64 4	139 20	1200	29.76	30 16	29 27	0 89	—	6	14	11	0	0	0	2	0	0	0	77	90	.....	.....	.....
ALBERTA—																							
Banff	51 10	115 34	4542	29 89	30 52	29.37	0 95	69	6	4	2	4	0	1	1	25	3	0	24	60	.....	.....	.....
Calgary	51 2	114 2	3389	29.78	30 17	29 36	0 81	66	4	4	5	0	3	6	1	4	8	26	7	60	5.4	22	9NW
Edmonton	53 33	113 30	2158	29 80	30 11	29 26	0 85	82	7	4	5	4	8	1	6	8	5	15	8	60	.....	.....	.....
Medicine Hat	50 1	110 37	2161	29.81	30 16	29 35	0 81	67	5	2	0	1	2	2	1	21	9	4	20	60	.....	.....	.....
SASKATCHEWAN—																							
Battleford	52 41	108 20	1620	29 81	30 18	29.11	1.07	52	4	4	0	0	1	15	1	8	9	11	15	60	.....	.....	.....
Moose Jaw	50 21	105 35	1759	29 81	30 11	28.99	1.12	79	3	3	6	2	7	10	1	12	13	6	34	90	.....	.....	.....
Prince Albert	53 10	106 0	1432	29 80	30 24	28 88	1.36	75	5	3	1	1	14	2	0	0	16	5	21	60	.....	.....	.....
Qu'Appelle	50 30	103 47	2115	29 85	30 27	29.18	1 09	67	5	2	1	2	5	8	9	10	8	12	5	60	10 6	41	14SW
Swift Current	50 20	107 45	2439	29 83	30 15	29.14	1 01	71	5	3	1	2	2	9	5	19	10	10	2	60	13.1	40	28SE
MANITOBA—																							
Le Pas	53 49	101 15	860	29.86	30 43	29 13	1 30	81	5	4	7	6	8	6	6	10	6	4	7	60	10.8	31	19SW
Minnedosa	50 15	99 50	1699	29.93	30 35	29 41	0 94	82	5	5	2	4	6	11	1	5	8	7	16	60	.....	.....	.....
Winnipeg	49 53	97 7	760	29.93	30.39	29 42	0.91	78	5	6	6	5	14	26	8	8	11	11	1	90	12.2	38	13SE
ONTARIO—																							
Cochrane	49 2	81 0	946	30 10	30 52	29 59	0 93	88	5	6	8	0	3	7	14	1	15	10	2	60	8.1	23	22NW
Haileybury	47 29	79 39	687	30 12	30 53	29 68	0 85	78	5	6	11	0	2	4	6	14	6	10	7	60	.....	.....	.....
Kingston	44 13	76 29	285	30.14	30 51	29 72	0 79	75	4	0	15	9	14	3	7	2	7	2	1	60	8 5	34	6S
a Lindsay	44 20	78 45	872	29.21	29 50	28.83	0 67	—	4	2	11	2	3	5	9	22	7	7	24	90	.....	.....	.....
London	42 59	81 13	808	30.15	30 58	29.73	0 87	76	3	0	4	18	2	32	0	16	0	18	0	90	.....	.....	.....
Ottawa	45 26	75 42	294	30.11	30 61	29 69	0.82	89	3	3	5	5	9	1	1	19	13	5	2	60	.....	.....	.....
Parry Sound	45 19	80 0	635	30.14	30 50	29 69	0 81	83	4	2	5	8	2	2	10	10	12	7	4	60	6 9	20	3SW
Port Arthur	48 27	89 12	644	30.01	30.47	29.59	0 88	82	6	11	7	3	16	10	14	1	12	23	4	90	8.8	25	29NW
Port Stanley	42 40	81 13	592	30.16	30 51	29 75	0.76	86	3	2	1	6	9	5	0	5	14	8	12	60	.....	.....	.....
Southampton	44 30	81 21	656	30.15	30 53	29.68	0 85	79	4	1	7	7	12	5	9	9	5	5	1	60	10 6	31	6NW
Stonecliff	46 9	78 6	557	30 13	30 53	29 68	0 85	91	4	4	0	1	5	7	0	2	21	5	19	60	3 6	.....	[7SW
Toronto	43 40	79 24	350	30.15	30 49	29.74	0.75	79	3	1	8	10	1	2	2	13	4	19	1	60	9.7	29	3W
White River	48 35	85 16	1252	30 07	30.46	26 87	0.69	90	6	5	4	2	4	1	6	4	10	4	25	60	6.1	19	16SE
Woodstock	43 8	80 47	980	30.17	—	—	—	72	—	—	10	10	12	11	1	25	5	16	0	90	....	26	22SW
QUEBEC—																							5NW
Anticosti S W. Pt	49 24	63 35	30	29 96	30 42	29.61	0.61	84	5	0	31	15	0	7	10	0	0	20	7	90	11.3	38	23SW
Father Point	48 31	68 19	20	30 03	30 49	29 64	0.85	87	5	9	3	7	4	2	0	12	27	3	2	60	10 6	28	4W
Montreal	45 30	73 35	187	30.10	30 53	29 67	0 86	63	4	4	5	9	2	3	8	10	28	22	3	90	9.1	23	21SW
Quebec	46 48	71 13	296	30.08	30.84	29 63	0 91	78	5	6	1	18	4	1	6	26	26	7	1	90	9.8	31	23SW
Sherbrooke	45 32	72 5	620	.....	.....	.....	.....	..	.	..	..	..	..	..	..	..	..	..	..	.	.....	.....	.. ..
NEW BRUNSWICK—																							
Chatham	47 3	65 29	21	30.02	30 49	29 62	0.87	77	5	3	0	3	11	0	1	8	18	10	3	60	.....	.....	.....
Fredericton	45 57	66 36	164	30.05	30.51	29 62	0 89	77	4	2	10	8	3	8	4	11	16	21	9	90	5.1	19	4NW
St John	45 17	66 4	70	30.04	30 48	29 62	0 86	79	4	3	22	4	2	2	20	11	2	6	21	90	5.4	20	26NW
NOVA SCOTIA—																							
Halifax	44 39	63 36	88	30 01	30.46	29.62	0 84	86	5	2	7	21	3	0	0	6	4	19	0	60	8.6	31	26 NE
Sable Island (MStation)	43 57	60 6	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sydney	46 10	60 10	35	29 97	30.53	29 21	1 32	76	6	11	5	14	8	1	4	16	16	16	10	90	12.5	43	8NE
Truro	45 22	63 18	77	30.02	30 50	29 56	0.94	—	6	5	13	9	0	0	6	23	14	13	12	90	.....	.....	.....
Truro (2)	45 25	63 15	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wolfville	45 7	64 20	.....	30 03	30 49	29 62	0 87	—	5	3	4	1	11	0	3	1	33	6	1	60	6.5	23	26—
Yarmouth	43 50	66 2	65	30.06	30 49	29 63	0 86	90	4	4	11	3	2	1	4	12	5	6	16	60	6.8	31	26 NE
P. E. ISLAND																							
Charlottetown	46 14	63 10	38	30.00	30 48	29 58	0 90	82	5	3	13	6	0	1	4	15	2	11	6	60	6 3	19	8NW
NEWFOUNDLAND																							
Burin	47 0	55 10	27	29 94	30 50	29.25	1 25	—	7	12	4	8	5	2	3	10	16	18	0	60	.....	.....	.....
Fogo	49 43	54 17	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Port aux Basques	47 35	59 10	27	29 93	30.45	29 26	1 19	—	6	12	11	4	17	0	3	0	11	10	4	60	.....	.....	.....
St. George's	48 27	58 31	21	30.00	30 53	29 35	1 18	87	6	7	3	16	3	3	1	7	1	26	0	60	.....	.....	.....
St. John's	47 34	52 42	125	29 81	30 34	29 16	1 18	77	6	11	8	7	0	6	2	22	8	4	3	60	.....	.....	.....
BERMUDA																							
Prospect	32 17	64 46	151	30.11	30 32	29 88	0 44	80	5	0	28	5	7	3	9	20	7	11	0	90	.....	.....	.....

FREQUENCY OF THE WIND FROM THE EIGHT CARDINAL POINTS AT STATIONS OF THE SECOND CLASS, DURING THE MONTH OF SEPTEMBER, 1914

STATION	DIRECTION OF WIND FROM									
	N.	N.E.	E.	S.E.	S.	S.W.	W	N.W.	C.	Total number of Observations
ALBERTA—										
Athabasca Landing	0	0	2	5	3	2	12	6	0	30
Beaver Lodge	2	7	17	8	4	4	33	15	0	90
Didsbury	1	3	6	2	0	10	1	7	0	30
Halkirk (Emsburg)	4	2	6	10	8	12	2	16	0	60
Hillsdown	0	3	0	7	9	3	0	30	8	60
Loveland	1	15	4	4	4	13	8	11	0	60
Macleod	0	3	0	0	0	4	10	19	22	60
Ranfurly (Waitefield)	3	3	14	11	6	11	12	23	7	90
Sion	10	9	12	12	7	7	27	22	0	106
SASKATCHEWAN—										
Brownhill (Grenfell)	1	2	0	8	7	29	0	13	0	60
Chaplin	1	0	4	4	14	1	26	9	1	60
Crescent Lake	0	3	3	7	10	16	10	10	1	60
Estevan	1	2	7	4	2	5	5	2	2	30
Fort Qu'Appelle	2	4	5	14	8	6	14	5	2	60
Indian Head	2	4	5	7	19	25	10	14	4	90
Kamsack	0	1	0	0	0	0	0	5	24	30
Larchmount (Pambrum)	1	2	5	2	2	4	13	29	0	58
Muenster (St. Peter's Monastery)	2	4	4	5	3	25	13	4	0	60
Onion Lake										
Pense (Gatesgarth)	0	2	0	8	1	6	2	7	0	26
Waseca	0	1	0	5	1	2	11	10	0	30
Yarbo (Fairfield)	3	0	3	2	4	1	14	1	2	30
MANITOBA—										
Berens River										
Brandon	0	14	7	8	2	23	9	8	3	74
Hillview	0	4	11	12	12	18	11	20	2	90
Moose Horn Bay (Aitkensville)	8	3	5	8	17	4	6	2	7	60
Morden	8	3	4	6	8	9	10	7	5	60
Oak Bank	8	1	8	1	15	5	8	10	4	60
Stony Mountain	4	8	0	12	14	6	6	6	0	56
ONTARIO—										
Agincourt	4	0	13	11	12	19	5	26	0	90
Alton	14	1	16	2	8	7	38	4	0	90
Beatrice	8	0	0	6	15	5	2	9	45	90
Birnam										
Brucefield	7	3	7	9	8	6	5	15	0	60
Cottam	18	1	10	0	21	7	2	1	0	60
Guelph	4	8	0	20	1	23	1	31	2	90
Gravenhurst	15	2	7	6	19	5	12	1	23	90
North Bruce	2	0	1	0	53	3	27	4	0	90
Orillia	2	2	1	0	9	7	8	1	0	30
Port Dover	4	3	5	1	3	2	6	6	0	30
Stoney Creek	3	19	8	2	3	23	19	13	0	90
Wexford	0	1	0	2	0	3	1	10	13	30
QUEBEC—										
Abitibi	13	5	1	14	18	8	14	17	0	90
Anticosti, Heath Point	0	22	13	2	1	2	15	25	10	90
Anticosti, West Point	7	27	3	0	15	4	8	26	0	90
Bicquet	2	19	0	0	3	34	16	1	15	90
Brome	27	6	1	0	6	24	21	5	0	90
Cape Chatte	1	8	6	0	0	0	51	0	24	90
Cape Magdalen	7	4	1	1	13	2	2	35	25	90
Cap Rouge	4	8	0	0	0	0	0	18	0	30
Cedars										
Chicoutimi	0	25	3	9	0	10	14	7	22	90
Clarke City										
NEW BRUNSWICK—										
Dalhousie	0	0	5	1	0	0	11	4	7	28
Moncton	2	0	1	4	1	6	2	14	0	30
Pt. Lepreaux	24	8	2	7	1	4	20	12	0	78
Sussex	6	1	0	0	1	3	0	1	18	30
NOVA SCOTIA—										
Kentville	6	0	1	1	2	6	8	6	0	30
Liverpool	0	2	5	0	0	16	0	7	0	30
Sable Island, E. Pt.										
Whitehead	14	2	1	2	2	8	0	1	0	30

MEAN PROPORTION OF BRIGHT SUNSHINE REGISTERED IN EACH HOUR OF THE DAY IN THE MONTH OF SEPT. 1914

STATION.	Hours Ending																
	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.
British Columbia																		
Shawnigan Lake	.....	....	.....	.04	.20	.27	.34	.30	.35	.36	.33	.34	.18	.20	.06	....	.....	.....
Victoria	.....	.....	.....	.02	.11	20	.27	.29	.37	.42	37	.36	.31	25	.10	.....	.....	.....
Salmon Arm	.....	.....	.....	.02	.27	.48	.55	.51	.51	.47	.49	.35	.27	.15	.....	....	.....	.....
Nanaimo	.....	.....	.....	.01	.12	.22	.29	.33	.37	.38	.34	.32	.37	22	.06	.....	.....	.....
Sidney	.....	.....	.....	....	.03	.17	.31	.33	.36	36	.38	.37	.34	.24	.03	.....	.....	.....
Vancouver	....	....	.....	.....	.01	.18	.22	.25	.29	.32	.33	.30	.33	.27	.09	.....	.....	.....
Agassiz	.....	.....	.....	.....	01	.17	.25	.25	.28	.28	27	.20	.13	.17	.05	.....	.....	.....
Tranquilla	.....	.....	.....	.10	.32	.38	.46	.44	.52	.53	.55	.46	.44	39	.05	.....	.....	.....
Summerland	.....	.....	.01	.24	.44	.55	.54	.55	57	.60	.55	.49	.40	.32	.02	.....	.....	.....
Kamloops	....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	.....	.....
Harper's Ranch	.....	.....	.....	.....	....	....	....	....	....	....	....	.....	....	....	....	....	.....	.....
Invermere	.....	.....	.....	.....	.23	.48	.58	.59	.57	64	.50	.53	.53	.29	....	.....	.....	.....
Alberta																		
Edmonton	.....	.....	.02	.12	.37	.49	.60	.50	55	.59	.60	.51	42	35	.07	T	.....	....
Lethbridge	.....	....	.....	.18	.55	.67	.72	.70	.72	.65	.69	.65	.66	.66	.44	.10	.....	.....
Lacombe	.....	.....	.....	.09	.33	.56	.61	.58	63	.70	.65	.63	.56	.34	09	.....	.....	.....
Medicine Hat	.....	.....	....	11	.59	.59	.72	.74	67	.79	.72	.69	.62	47	.06	.....	.....	.....
Fort Dunvegan	.....	.....	. .	.01	11	.33	.29	37	33	.36	.35	.30	21	.12	.02	.....	....	.....
Fort Vermilion	.....	.....	.01	.06	.11	.21	.30	48	.55	.58	.59	.59	.60	57	49	.24	.04	.....
Saskatchewan																		
Battleford	.....	.....	.04	.32	47	.53	.60	.58	.65	.68	.69	.65	.63	.60	.08	.	.....	.....
Qu'Appelle	.....	.....	.....	.26	.56	.70	.75	.76	.84	.82	.75	.70	.63	.52	.15	T	....	.....
Indian Head	.....	.....	.....	.01	.19	.56	61	.69	.75	.77	.75	.69	.58	.37	.10	.....	.....	.....
Moosejaw	.....	.....	.01	.22	.50	.66	.69	74	.70	.66	.62	.55	.60	.51	12	.02	.....	.....
Scott	.....	.....	.....	.22	.62	63	.60	.66	68	.71	68	.62	.53	.35	.05	....	.....	.....
Rosthern	.....	....	.....	.03	.62	.69	.74	.72	.71	.67	.64	.64	.56	.49	17	.07	.....	.....
Swift Current	.....	... .	.....	.08	.32	.53	.65	.70	.65	.63	.63	.61	.70	.59	.14	.04	.....	.....
Manitoba																		
Brandon	.....	.....	.....	.13	.65	.77	.79	83	.84	.80	.71	.65	.52	.26	.02	....	.....	.....
Winnipeg	.....	....	.02	.18	.40	.59	.64	.64	.70	.72	.68	.63	.62	.41	.18	.02	.....	... ..
Le Pas	.....	....	. ....	.10	.27	.44	.55	.64	.69	.71	.65	.67	.68	.49	.13	.02	.....	.....
Ontario																		
Haileybury	.....	....	01	.25	.57	.67	.68	.66	58	.54	.57	.60	.66	.57	.36	.05	....	.....
Woodstock	.....	.....	.....	.03	.44	.62	.67	.78	.78	.75	.74	.77	.73	.59	.11	.....	.....	.....
Lindsay	.....	.....	.....	01	.16	.61	.65	.65	.69	.63	65	.65	.66	.47	.01	.....	.....	.....
Barrie	.....	.....	.....	.28	.64	.68	.68	.73	.68	.66	.72	.72	.71	.62	.09	.. ...	.....	.....
Guelph	.....	.....	.....	....	. .	....	....	.....	.....	.....	....	....	.....	....	.....	....	.....	.....
Toronto	.....	.....	....	.30	.65	.72	67	.75	.70	75	.70	.74	.75	.69	.39	.02	.....	.....
Kingston	.....	.....	.02	.22	65	.72	.66	.70	.73	.72	70	.68	.59	.45	.13	.01	.....	.....
Ottawa	.....	.....	T	.24	.64	.77	.75	.72	.68	.70	.68	68	.70	.57	.36	.....	.....	.....
Quebec																		
Montreal	.....	.....	.01	.19	54	.66	.71	.70	.68	.63	.66	.72	.55	.66	.20	.....	.....	.....
Cap Rouge	.....	.....	... .	17	.37	.51	.52	.56	58	66	60	63	.60	.48	17	.....	.....	.....
Quebec	.....	.....	.....	.05	.35	.48	.53	.00	.59	.63	61	.65	.57	.54	.03	.....	.....	.....
Ste Anne de la Pocatiere	.....	.01	.16	.42	.51	.54	.57	.61	.65	.72	.62	.56	.43	.15	.01	.....	....	.....
Sherbrooke	.....	.....	.....	.....	.....	....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....	.....
New Brunswick																		
Fredericton	....	.....	T	.19	.57	65	.63	.66	71	66	66	67	61	47	.35	.02	.....	.. ..
Prince Edward Island																		
Charlottetown	...	... ..	.....	.06	.36	.56	56	51	57	56	6	61	56	52	16	.....	.....	.. ..
Nova Scotia																		
Nappan	.	.....	...	T	24	49	59	.62	60	61	58	55	.62	49	.02	... ..	.....	.....
Wolfville	..	.....	T	16	40	52	61	59	57	55	57	49	50	46	.25	.03	.....	.....
Kentville	...	....	...	01	21	51	59	63	60	57	57	46	55	54	.37	.02	. ..	.....

SUMMARY OF SUNSHINE RECORDS

SEPT., 1914	Shawnigan Lake	Victoria.	Salmon Arm.	Nanaimo.	Sidney	Vancouver	Agassiz	Tranquille.	Summerland.	Kamloops.	Harper's Ranch	Invermere.	Edmonton.	Lethbridge.	Lacombe	Medicine Hat.	Fort Dunvegan	Fort Vermilion	Battleford.	Qu'Appelle	Indian Head	Moose Jaw.	Scott.	Rosthern	Swift Current.	Branden.	Winnipeg.	Le Pas	Haileybury.	Woodstock.	Lindsay.	Barrie.	Guelph	Toronto.	Kingston.	Ottawa.	Montreal	Cap Rouge.	Quebec.	Ste. Anne de la Pocatiere	Fredericton.	Charlottetown.	Nappan	Wolfville	Kentville
Registered duration in hours	83	92	122	92	88	79	61	137	159	...	...	148	153	221	173	197	85	163	196	223	182	201	190	205	188	209	194	181	203	209	175	216	...	235	210	225	210	176	171	179	205	167	163	170	168
Percentage of possible duration	23	24	32	24	23	21	16	37	42	..	..	39	40	59	46	52	22	43	52	59	48	53	50	54	50	56	52	31	54	56	47	58	..	63	56	60	67	47	45	48	55	45	44	45	45
Difference from average	—	25	—	—24	—	—	—18	—	—	.	..	—	—	—	—	—	—	—	+ 7	—	— 5	—	—	—	—	+ 8	+ 4	—	—	+ 7	— 3	+ 9		+ 8	+ 5	+ 16	+ 14	—	+ 0	—	+ 7	—	—	—	—
Maximum percentage in one day	80	88	80	8	76	78	73	85	89	..	..	76	91	95	83	89	62	82	91	88	83	92	94	89	93	85	91	85	94	83	77	87	..	94	94	93	99	88	78	94	93	88	78	96	84
Date of maximum	22	22	22	31	24	22–30	22	15	22	.	.	23–24	2	2	3	1–2	6–29	25	10	3	9	3	24	2	2	28–29	8	7	13	9	9	9	13		28	9	13	5	14	15	11	16	5	24	5	15
Number of days completely cloud	11	7	6	12	9	17	12	5	3	.	.	2	6	1	7	2	10	7	4	0	1	2	4	4	4	0	6	1	4	2	2	1		1	1	2	3	4	4	5	4	4	3	2	3

Thunder recorded:

1. Woodstock, Haileybury, London, Lindsay, Emsdale, Peterboro, Aurora, Paris, Brucefield, Port Dover, Brome, Sorel, Montreal.

2. Westport, Renfrew, North Gower, Nicolet, Shawenegan Falls, Huberdeau, Brome, Sorel, Port Arthur, Montreal.

3. Gravenhurst, Haileybury, Ranfurly, Twin Lakes, Springdale, Emsdale, Renfrew, Georgetown, Rutherglen, Lucknow, Hillier, Aurora, Montague, Markdale, Haliburton, Wexford, Beatrice, Advocate, Kentville, St. Stephen, Stonecliffe, St. John, Toronto, Barrie.

4. Truro, Lineham, Hillsdown, Loveland, Halkirk, Sion, Red Deer, Springdale, Haliburton, Chicoutimi, Advocate, Windsor, N.S., Kentville, Halifax, Sydney, Yarmouth.

5. Sion, Oakbank, Almasippi, Kakabeka Falls, Lucknow, Brucefield, Woodstock, N.B., Minnedosa, Port Arthur.

6. Gravenhurst, Haileybury, Rapid City, Deer Park, Wiarton, Emsdale, Georgetown, Rutherglen, Lucknow, Peterboro, Tobermory, Haliburton, Brucefield, Wexford, Agincourt, Maniwaki, Parry Sound, Toronto, Barrie.

7. Fredericton and Experimental Farm, Golden, Glacier, Wilmer, Hydraulic, Twin Lakes, Drummondville, D'Israeli, Nicolet, Lake Megantic, Shawenegan Falls, Huberdeau, Sorel, Advocate, Windsor, N.S., Moncton, St. Stephen, Ottawa, Montreal, Quebec, St. John, Medicine Hat.

8. Loveland, Halkirk, Rathmullen, Ninette, Brandon, Middleton, Burin, Swift Current, Sydney, St. John's, St. George's.

9. Loveland, Whitewood, Crescent Lake, Rapid City, Hillview, Treherne, Morden, Oakbank, Almasippi, Swan Lake, Qu'Appelle, Minnedosa, Winnipeg.

10. Chinook Cove, Hillsdown, Loveland, Ranfurly, Red Deer, Springdale, Bermuda.

11. Westley, Crawford Bay, Loveland, Crescent Lake, Moose Jaw, Pense.

12. Mountain View, Chaplin, Oakbank, Winnipeg, Lost River.

13. Tappen, Boswell, Chaplin, Haleyonia, Bermuda.

14. Little Qualicum, Perry Siding, New Westminster, Departure Bay, Alberni, Larchmount, Sioux Lookout, Vancouver.

15. Terrace, Alberni, Almasippi, Ignace, Sioux Lookout, Bermuda.

16. Alberni, Swan Lake, Oakbank, Morden, Long Lake, Ignace, Sioux Lookout, Winnipeg.

17. Nelson, Summerland, Boswell, White River.

18. Armstrong, Fruitlands, Westley, Kelowna (Bankhead Orchard and Okanagan Mission), Boswell, Springdale, Ranfurly, Hillsdown, Anglia, Kindersley, Swift Current.

19. Tappen, Armstrong, Westley, Perry Siding, Kelowna (Okanagan Mission), Springdale, Campsie, Hillsdown, Klintonel, Brandon.

20. Pend d'Oreille, Rapid City, Deloraine, Ninette, Swan Lake, Almasippi, Treherne, Aitkensville, Hillview, Sioux Lookout, Roberval, Mistassini, St. Stephen, Minnedosa, Winnipeg, Bermuda, Edmonton, Yarbo.

21. Ninette, Swan Lake, Almasippi, Morden, Treherne, Kakabeka Falls, Sioux Lookout, Port Arthur.

22. Gravenhurst, London, Lindsay, Westminster, Niagara Falls, Sudbury, Deer Park, Agincourt, Alton, Wexford, Port Dover, Brucefield, Paris, Queensboro, Haliburton, Montague, Lucknow, Morrisburg, Georgetown, Renfrew, La Loutre Rapids, Port Stanley, Toronto, Lakefield, Barrie, Hamilton.

23. London, Morrisburg, Hillier, Norwood, Port Dover, Stoney Creek, Lake Megantic, Brome Fredericton Experimental Farm, Kingston, Anticosti S. W. Pt., Toronto.

24. Westport, Morrisburg, Toronto.

25. Vavenby, Fruitlands, East Arrow Park, Hydraulic, Loveland, Pointe Riche.

26. Ferguson, Invermere, Mayeroft, Dunstable, Tappen, Salmon Arm and Experimental Farm, Armstrong, Westley, Perry Siding, Nelson, East Arrow Park, Creston, Kelowna (Bankheal Orchard and Okanagan Mission), Hillsdown, Loveland, Sion, Alix, Ranfurly, Perbeck, Campsie, Springdale, Banff.

27. Richlands, Sion, Ranfurly, Springdale, Edmonton.

28. White River.

29. Gravenhurst, Haileybury, Wawaitin Falls, Morrisburg, Rutherglen, Tobermory, Ville Marie, Cochrane, Parry Sound.

30. Nakusp, Ottawa.

Auroras recorded:

1. Fort Vermilion.
2. Fort Vermilion.
3. Gravenhurst IV, Fort Vermilion.
4. Fort Vermilion.
5.
6.
7. Sioux Lookout.
8. Haileybury IV, Ranfurly III, Alsask, Schreiber IV, Sioux Lookout.
9. Haileybury IV, Sioux Lookout.
10. Fort Vermilion, Beaver Lodge IV.
11.
12. Sion IV, Rutherglen, Mistassini IV.
13.
14. Sion IV, Hillsdown IV, Anglia.
15. Anglia.
16. Fort Vermilion.
17. Ranfurly IV, Sion III, Hillsdown III, Halkirk, Chaplin II, Anglia, Crescent Lake III, St. Albans II, Aitkensville II, Rutherglen, Schreiber III, Wawaitin Falls, Qu'Appelle IV, Quebec IV, Edmonton III, Lakefield.
18. Mistassini IV, Qu'Appelle IV.
19. Ranfurly IV, Sion IV, Waseca, Qu'Appelle IV.
20. Sion IV, Anglia, Quebec III.
21. Alsask, Larchmount, Mistassini IV.
22. Kelowna (Okanagan Mission), Fort St. James, Campsie IV, Ranfurly IV, Hillsdown III, Fort Vermilion, Waseca, Chaplin III, Anglia, Crescent Lake IV, Beaver Lodge IV, Advocate III, Victoria, Prince II.
23. Richlands, Campsie IV, Perbeck, Ranfurly III, Sion II, Hillsdown III, Fort Vermilion, Halkirk, Waseca, Chaplin II, Anglia, Crescent Lake IV, Larchmount, St. Albans I, Morden II, Treherne III, Aitkensville II, Hillview I, Mistassini II, Beaver Lodge IV, Atlin II, Banff III, Prince II.
24. Ranfurly II, Sion II, Fort Vermilion, Alsask, Muenster III, Chaplin II, Anglia, Crescent Lake IV, St. Albans II, Sioux Lookout, Beaver Lodge IV, Atlin III, Qu'Appelle IV, Minnedosa I, Winnipeg, Port aux Basques, Edmonton IV, Prince I.
25. Estevan, Dryden, Minnedosa III, Edmonton IV, Fort Vermilion IV.
26. Haileybury, Halkirk, Estevan, Dryden.
27. Fort St. James, Chinook Cove, Campsie IV, Perbeck, Ranfurly IV, Sion II, Fort Vermilion, Muenster IV, Waseca, Chaplin IV, Anglia, Larchmount, St. Albans III, Treherne I, Lang Lake, Lucknow IV, Rutherglen, Morrisburg, Georgetown IV, Schreiber IV, Sioux Lookout, Wawaitin Falls, Drummondville, Beaver Lodge IV, Qu'Appelle IV, Parry Sound, Edmonton IV, Toronto IV, Barrie IV.
28. Ranfurly I, Sion II, Hillsdown I, Fort Vermilion, Alsask, Halkirk, St. Walburg I, Brownhill II, Waseca, Chaplin III, Anglia, Larchmount, Rapid City II, St. Albans I, Treherne I, Renfrew, Sioux Lookout, Drummondville, Mistassini III, Swift Current, Moose Jaw, Qu'Appelle I, Winnipeg, Cochrane, Montreal.
29. Alsask, St. Walburg II, Waseca, Chaplin IV, Rapid City I, Sioux Lookout, Mistassini II, Swift Current, Parry Sound.
30. Perbeck, Alsask, Halkirk, Brownhill I, Waseca, Anglia, Haleyonia, Rutherglen, Schreiber III, Kakabega Falls IV, Cape Magdalen, Beaver Lodge, IV, Swift Current, Qu'Appelle IV.

FORECASTS FOR SEPTEMBER, 1914

The forecasts issued by this office at 11 p.m. each night, are posted up at every telegraph station in Canada, and are for the 24 hours beginning at 8 a.m. the following day.

The number of these predictions issued during the month was 1226. These were divided as follows :

District	No. Issued.	Verified.			
		No. Fully.	No. Partly.	No. Not.	Per-centage.
Alberta	76	61	13	2	88 8
Saskatchewan	76	66	6	4	90.8
Manitoba	75	61	8	6	86.7
Lake Superior	116	82	22	12	80 1
Lower Lake Region	119	102	11	6	90 3
Georgian Bay	120	101	11	8	88.8
Ottawa Valley	98	82	11	5	89.3
Upper St. Lawrence	98	84	10	4	90 8
Lower St. Lawrence	108	82	15	11	82.9
Gulf	114	89	14	11	84 2
Maritime Provinces West	113	81	24	8	82 3
Maritime Provinces East	113	82	23	8	82.7
Total	1226	973	168	85	86 2

In order to obtain the percentage of verification of the predictions, the number partly verified is divided by two and added to the number fully verified, and the result divided by the total number issued.

In ascertaining to what extent the predictions have been verified, the reports from the agents at all observing stations, as well as the telegraphic reports, are used.

R. F. STUPART, Director.

Meteorological Office, Toronto,
October 26th, 1914.